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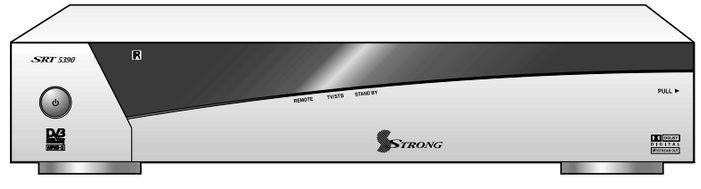
E109000197A

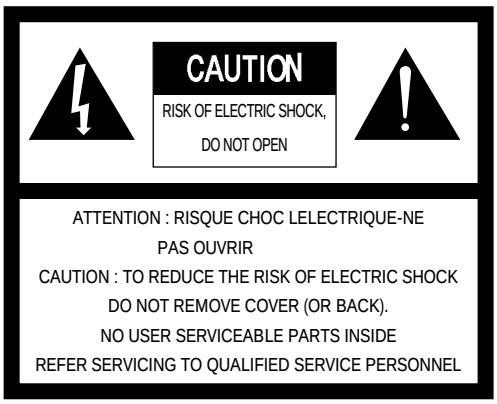
SRT-5390

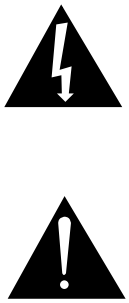
FREE-TO-AIR

DIGITAL TERRESTRIAL PVR RECEIVER

USER'S MANUAL







This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.

CAUTION : TO PREVENT ELECTRIC SHOCK. MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FUSE INSERT.

ATTENTION : POUR ÉVITER LES CHOC ÉLECTRIQUES. INTRODURE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE ED LA PRISE ET POUSSER JUSOU'AU FOND.

NOTE TO CATV SYSTEM INSTALLER : THIS REMINDER IS PROVIDED TO CALL THE CATV SYSTEM INSTALLER'S ATTENTION TO ARTICLE 820-40 OF THE NEC THE PROVIDES GUIDELINES FOR PROPER GROUNDING AND, IN PARTICULAR, SPECIFIES THAT THE CABLE GROUND SHALL BE CONNECTED TO THE GROUNDING SYSTEM OF THE BUILDINGS AS CLOSE TO THE POINT OF CABLE ENTRY AS PRACTICAL.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

AVIS

POUR EVITER LE RISQUE D'INCENDIE OU CHOC ELECTRIQUE-NE PAS EXPOSER L'APPAREIL A LA PLUIE OU LA MOITEUR

IMPORTANT SAFETY INSTRUCTIONS

All the safety and operating instructions should be read before the product is operated.

The safety and operating instructions should be retained for future reference.

All warnings on the product and in the operating instructions should be adhered to.

All operating and using instructions should be followed.

Unplug this product from the wall outlet before cleaning.

Do not use liquid cleaners or aerosol cleaners, Use damp cloth for cleaning.

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink or laundry tub; in a wet basement; or near swimming pool; and the like.

Do not place this product on an unstable cart, stand, tripod, bracket, or table, The product may fall, causing serious injury to a child or an adult and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

A product and cart combination should be moved with care. Quick stops, excessive forces and uneven surfaces may cause the product and cart combination to overturn.

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. The openings should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For porducts intended to operate from battery power, or other sources, refer to the operating instructions.

This product may be equipped with a polarized alternating-current line plug(a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Power supply cord should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

If an outside antenna or clable system is connected to the product, be sure the antenna or cable system is grounded so as to porvide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mest and supporting structure, gorunding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

For added protedtion for this product during a lighting storm, or when it is left unattecded and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be tacken to keep from touching such power lines or circuits as contact with them might be fatal.

Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

Never push any kinds of objects into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill any kind of liquid on the product.

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain to water.- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qulaified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance - this indicates a need for service.

When replacement parts are required, be sure the service technician has used replacement part specified by the manufacturer or have the same characteristics as the original part. Unauthorized subsitutions may result in fire, electric

shock, or other hazards.

Upon completion of any service or repair to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products(including amplifiers) that produce heat.

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Introduction 1

1.1 Overview

This terrestrial receiver is designed for giving you the opportunity to enjoy digital broadcasting. This receiver is a technical masterpiece, assembled with the highest qualified electronic parts.

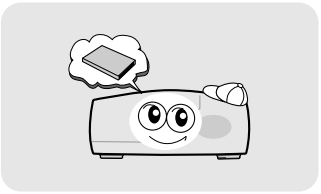
1.2 Main Features

- Fully compliant with MPEG-2 and DVB standards
- User friendly operating Menu and On-Screen Graphic Menu
- Easy to use EPG(Electronic Program Guide) on screen
- Age protection lock function
- Manual PID control
- Software downloading via RS-232C connector
- Tele-text encoding
- Hard Disk Functions

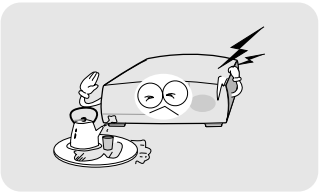
Safety/Precaution 2

2.1 Safety

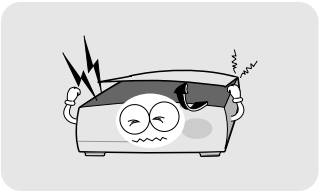
Be sure to read the user's manual before starting the operation of the unit.



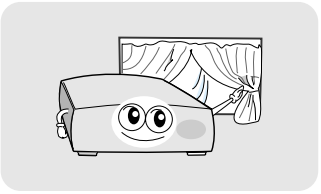
Do not touch the power cord with wet hands as it may cause electric shock.



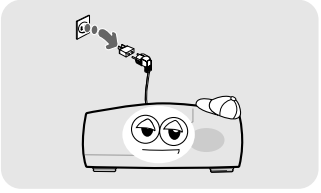
Never open the cover. It is very dangerous to touch the inside of the unit due to possible electric shock.



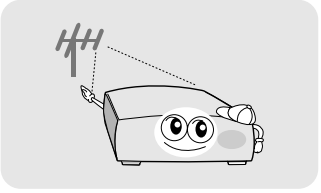
Place the unit in a well ventilated and no-heat environment.



When you do not use this unit for a long time, make sure that power cord is pulled out from the outlet. Also do not use a damaged power cord as it may cause fire or electric shock.



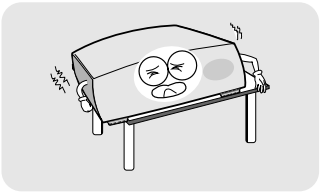
A professional installation is required.
If reception is interrupted, contact your local service centre.



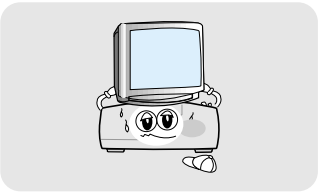
2.2 Precautions

When installing the unit

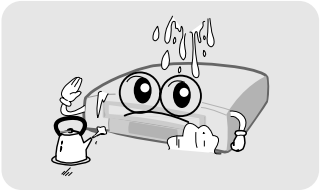
Install the unit horizontally. An uneven installation may cause the unit to be damaged.



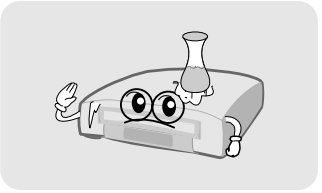
Do not put heavy items such as a TV on the unit. That may cause the unit to be damaged.



Do not leave the unit where the water drops or splashs.

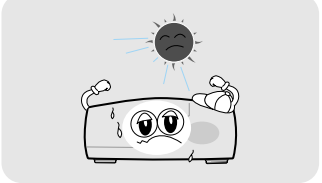


Do not put water holding items shch as vase on the unit.

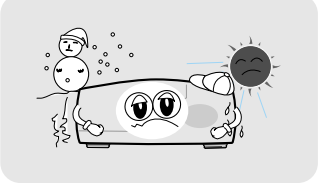


Do not install the unit:

- **Where it is subject to vibrations**
- **Where it is exposed to direct sunlight**
- **Where there is humidity**
- **Where the temperature is too high or too low.**
- **Where there is no ventilation**



Moving the unit to a hot area from a cold one will cause condensation.
Do not operate the unit for one or two hours or until it has dried completely.



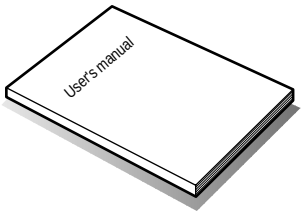
Check Points before Use

3

3.1 Accessories

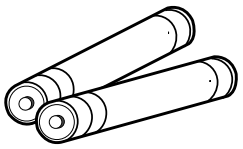
Accessories of the Unit

User's manual : 1

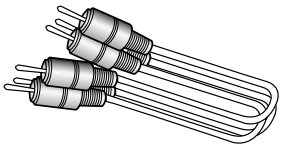


Remote control : 1

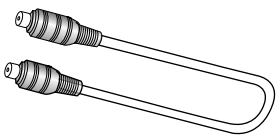
Batteries (AAA type) : 2



RCA video/audio cable : 1



RF Cable(0.25M) : 1

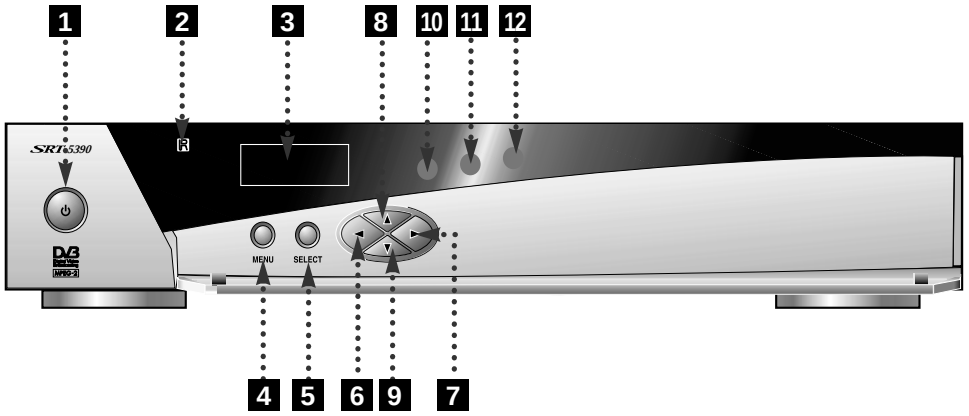


▶ If any accessories listed above are missing, contact the sales representative where you purchased this unit.

Controls/Functions

4

4.1 Front Panel



1 Power

To switch the receiver in "standby" mode or in power on mode.

2 Remote Sensor

Receives the infrared signal from remote control.

3 Channel Display(4 Digit)

- When you connect the power line of the receiver, the current time is displayed.
- After programming, the program number is displayed.

4 Menu

To launch or terminate the menu application.

5 Select

To activate a highlighted item or go to next level on hypertext menu or confirm the user's action.

4

4.1 Front Panel

6 - 7 Vol. (◀/▶)

To adjust the volume level or change the value of an item with preprogrammed values. The Key Vol.◀ can be used as a backspace to cancel the numerical input.

8 - 9 CH. (▲/▼)

To change channel or cursor position on the application screen.

10 Remote Control indication light

Flashes orange when receiving data from remote control.

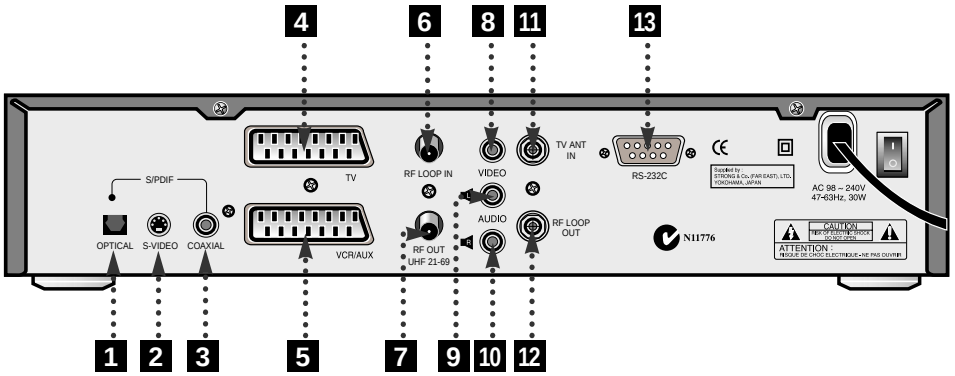
11 TV/Sat. mode Indication lamp light

Turn on green while receiving the signals from terrestrial UHF/VHF antenna.

12 Standby/Power on Indication light

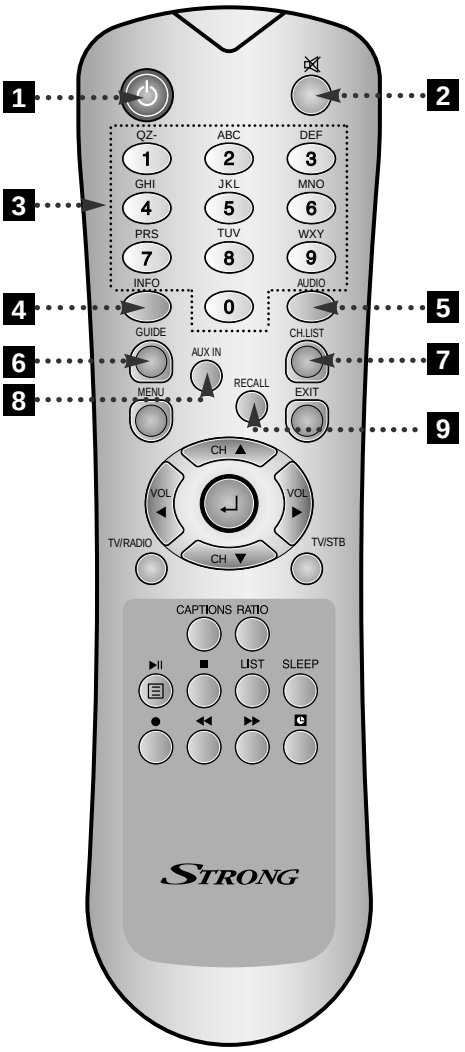
Turn on red while in the "standby" mode and turn off the red light while in the power on mode.

4.2 Rear Panel



No.	Name	Connector	Function
1	DIGITAL AUDIO	Optical port	Digital audio output.
2	S-VIDEO	S-Video jack	S-Video output.
3	DIGITAL AUDIO	RCA cinch	Digital Audio Output.
4	TV SCART	SCART	SCART output to TV.
5	VCR/AUX SCART	SCART	SCART output to VCR, analog receiver or Hi-Fi.
6	RF LOOP IN	IEC 169-2 female	Input from general aerial antenna or analog cable jack
7	RF OUT UHF 21-69	IEC 169-2 male	Output to TV.
8	VIDEO	RCA cinch	Composite video output.
9	AUDIO L	RCA cinch	Left audio output.
10	AUDIO R	RCA cinch	Right audio output.
11	TV ANT IN	IEC 169-2 female	Terrestrial steam input from antenna to digital tuner.
12	RF LOOP OUT	IEC 169-2 male	Terrestrial steam loop-through out from digital tuner.
13	RS-232C	DB-9	serial port.

4.3 Remote Control



1 POWER : To switch into 'standby' or 'power on' mode.

2 MUTE : To turn the sound on/off.

3 Numeric Keys(0-9) : To select channels and input of channel numbers or characters.

4 INFO. : To display the information of the current channel. Icon indicate this key in OSD menu.

5 AUDIO : To change the audio track, stereo-mono mode.

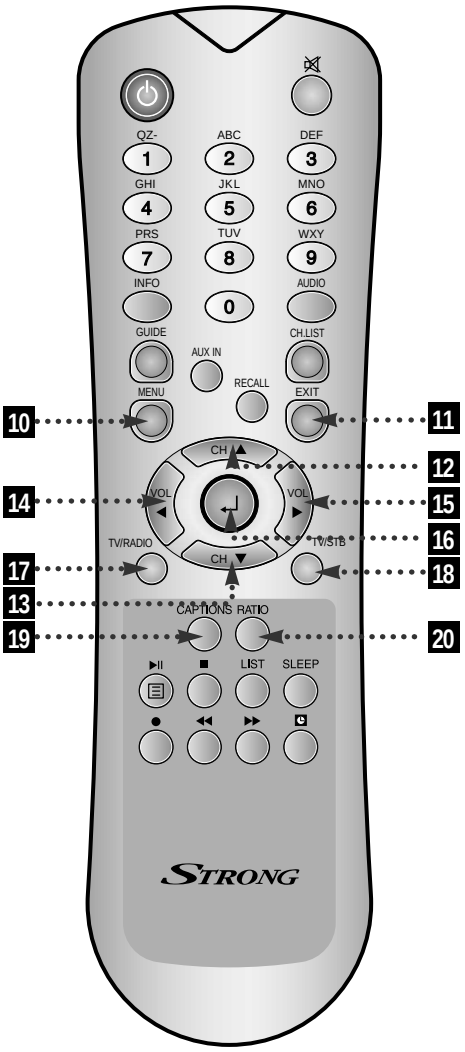
6 GUIDE : (EPG : Electronic Program Guide)
To watch program information. Press once more to return to normal mode.

7 CH LIST : To watch the channel list. Press to confirm or press EXIT to return to previous chosen channel. Icon indicate this key in OSD menu.

8 AUX IN : To select the output mode of scart connector.

9 RECALL : To return to the previous chosen channel.

4.3 Remote Control



10 MENU : To enter/exit the main menu. Icon (M) indicate this key in OSD menu.

11 EXIT : To return to previous status or menu. Icon (E) indicate this key in OSD menu.

12 -13 Up & Down : To change the value of a selected item with preprogrammed values in menu.

14 -15 Left & Right : To move the cursor up and down in menu. can be used as a backspace to cancel the numerical input.

16 (ENTER) : To select an item or to confirm a menu. Pause function.

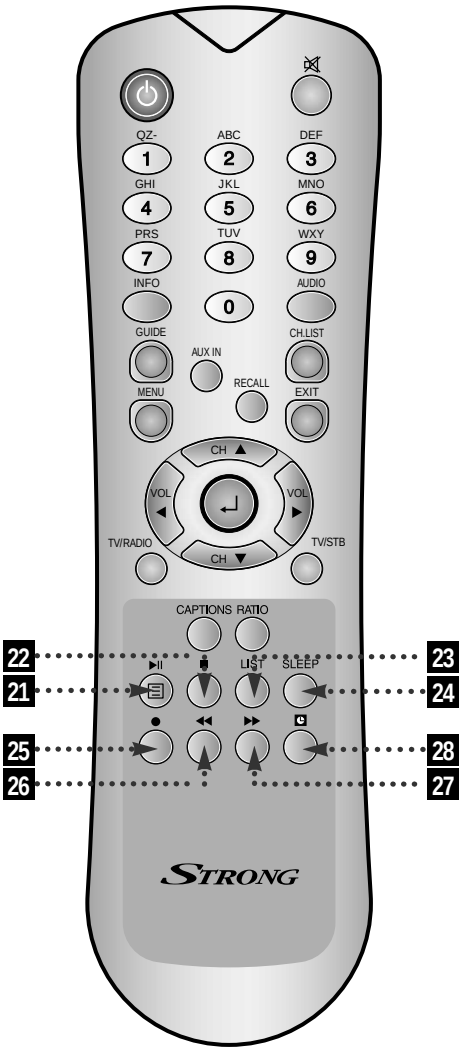
17 TV/RADIO : To switch between the TV and radio channels.

18 TV/STB : To toggle the TV input A/V mode between the digital STB mode and RF mode.

19 CAPTIONS : To enable or disable subtitle, hot key function.

20 RATIO : To change screen size (4X3, 16X9), hot key function.

4.3 Remote Control



21 BLUE ▶II : To delete a channel from the Channel List menu. To show extended program information in the EPG menu. To see Teletext Service Data. To play or pause the stored programs on HD.

22 WHITE ■ : To add a new channel to the Channel List menu. To stop the played programs on HD. To direct record current channel with pause function.

23 ORANGE (LIST) : To see variant channel lists for user's convenience in the Channel List menu. To watch the list of stored programs on HD.

24 SLEEP : To switch off the receiver automatically after between 30 and 150 minutes.

25 RED ● : To setup favorite channel lists in the Channel List menu. To record the program on to HD. To delete the stored programs on HD or set skip points.

26 GREEN ◀◀ : To lock channel in the Channel List menu. To show current/next program information in the EPG menu. To play the stored programs on HD with fast rewind mode. Simply set up channel list mode.

27 YELLOW ▶▶ : To move a channel to other position in the Channel List menu. To show program schedule information in the EPG menu. To play the stored programs on HD with fast foward mode. Simply set up favorite channel list.

28 ◔ : Automatic power on/off, hot key function.

Using the Remote Control 5

5.1 Batteries

How to insert a battery

1. Open the cover at the top of the rear side of the remote control.
2. Insert two AAA type batteries(1.5V) to be aligned with appropriate +/- polarity.
3. Close the cover completely.

When to replace a battery

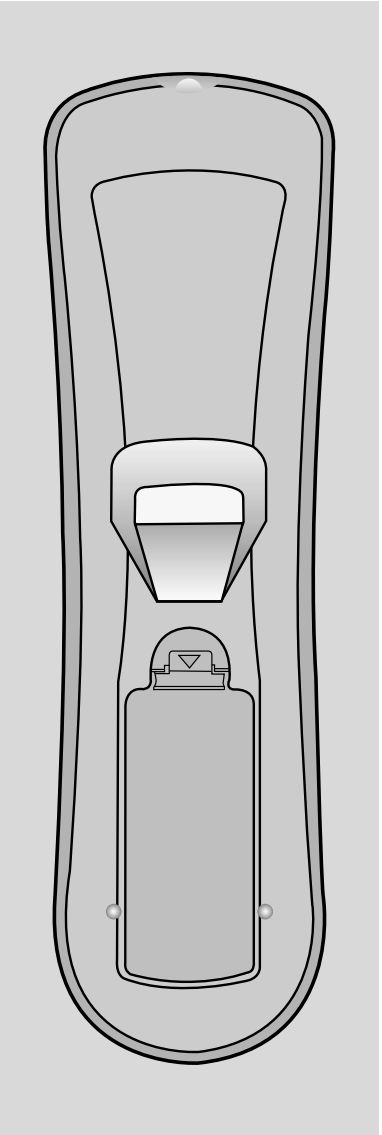
If the operational range of remote control is getting smaller, it indicates batteries are almost consumed.
Replace both batteries together.

How to replace a battery

1. Check +/- polarities and insert batteries to be aligned with appropriate +/- polarity.
2. Even if old and new batteries are the same in size, do not use batteries with different characteristics.

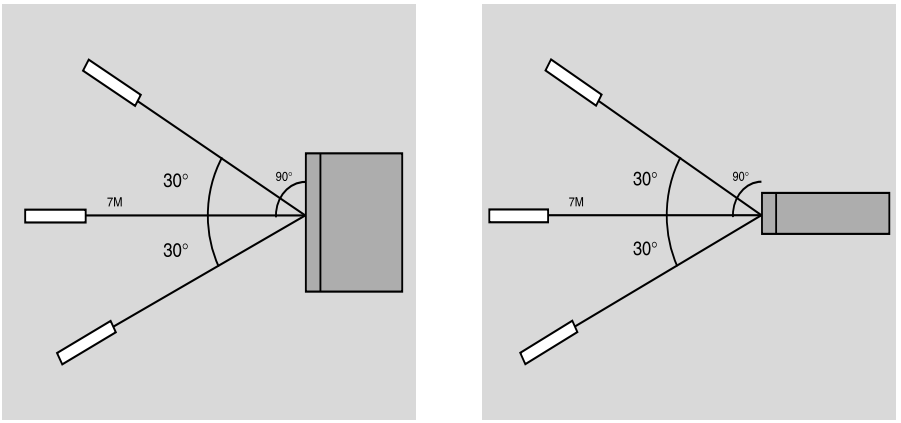
Accident prevention

1. Do not recharge, heat or disassemble the battery. Do not cross +/- polarities.
2. If remote controller is not going to be used for a long time, take the batteries out.



5.2 Range of Operation

❶ The remote controller can be detected by the receiver within an angle of 30 degrees to the left or right.
❷ The transmission distance of the remote control is 7m in direct line of sight.



* Notes

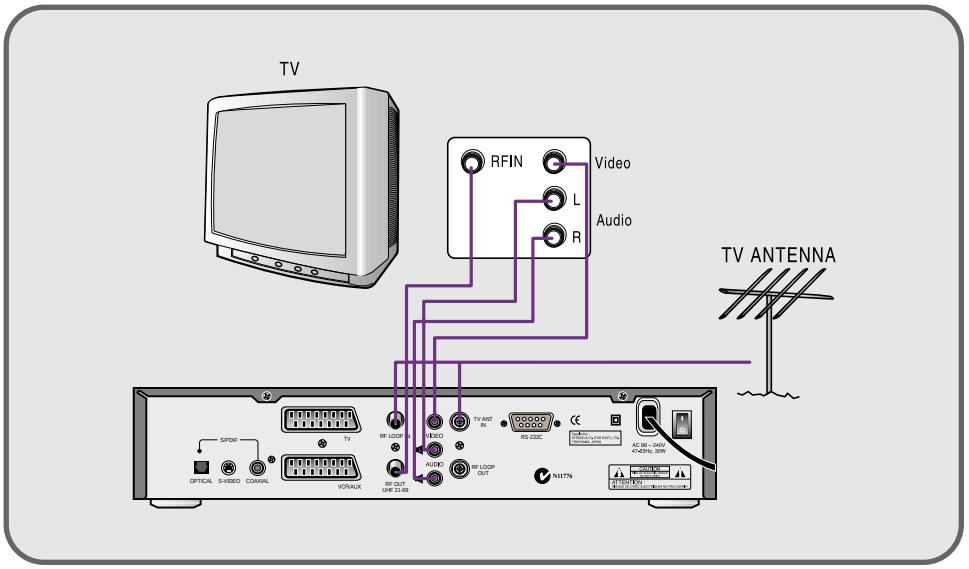
❶ When the remote control is not operative
Replace batteries with new ones and check AC power plug on the receiver.

❷ Abnormal operation
Disturbance from peripheral devices might occur. Ensure that other products which might cause interference are placed further away from the receiver.

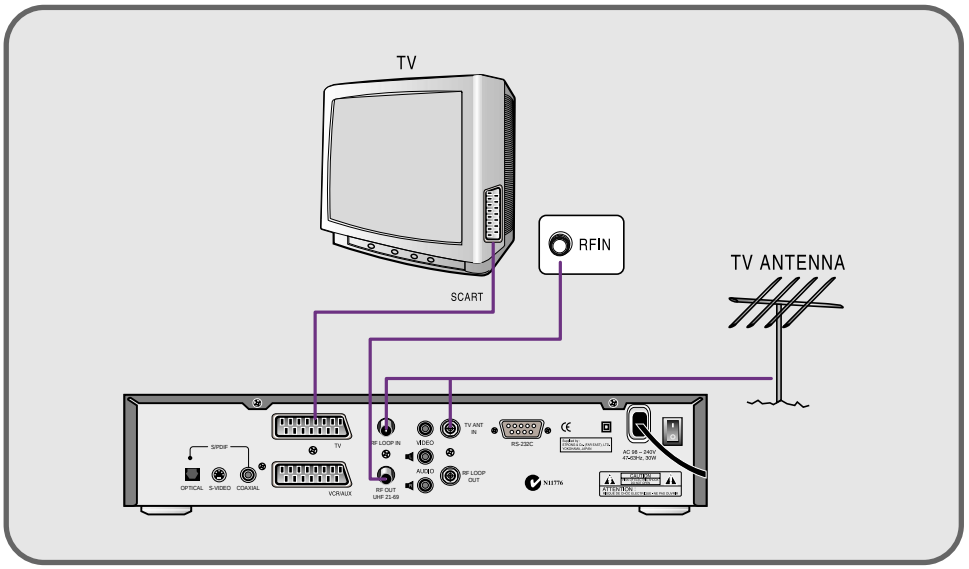
❸ Notes for handling
If exposed to heat or water, the main body and the remote control may be damaged, so be careful.

How to Connect 6

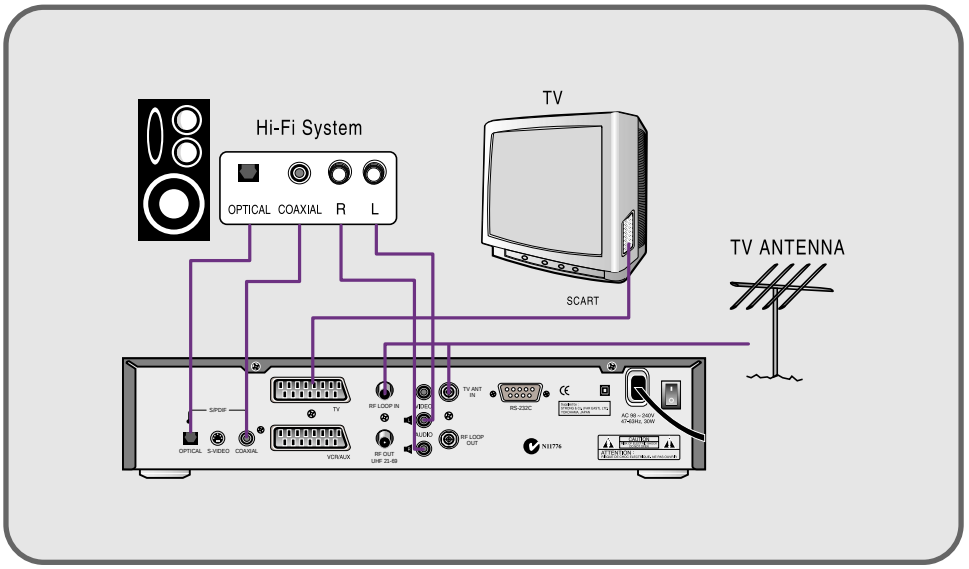
6.1 When Connecting IRD to TV with AV connectors



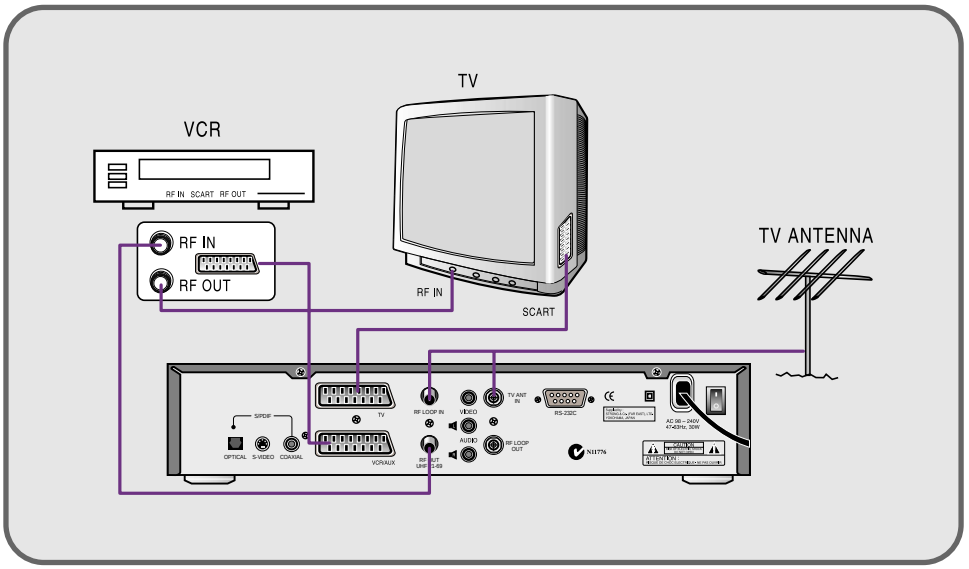
6.2 When Connecting IRD to TV with SCART



6.3 When Connecting IRD to Hi-Fi system and TV with SCART



6.4 When Connecting IRD to VCR and TV



Operation 7

7.1 Getting Started

After your receiver is powered up, proceed with installation as follows:

1 *Menu Language Setting*

❶When you plug in AC power, the following will be displayed on the front.

❷Press **POWER** on remocon, the LED number will be displayed as follows;

Screen

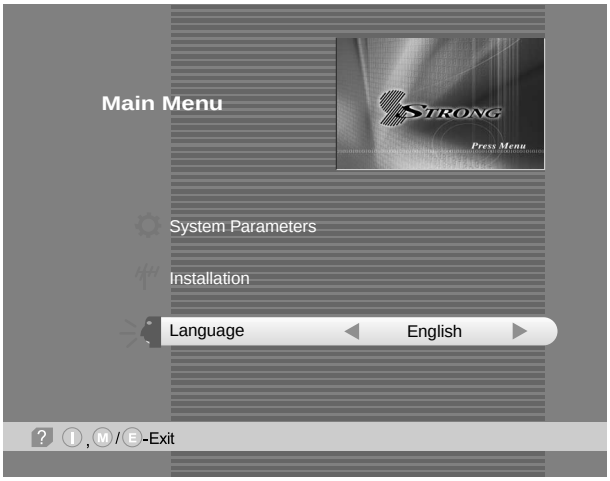
7

7.1 Getting Started

❸Press **MENU** key and position cursor on **'Language'** column with CH▲ or CH▼.

❹Select language you want with ◀ or ▶.

Screen



∗ ***Note : Languages displayed in 'Language' column are supported by your receiver.***

7.1 Getting Started

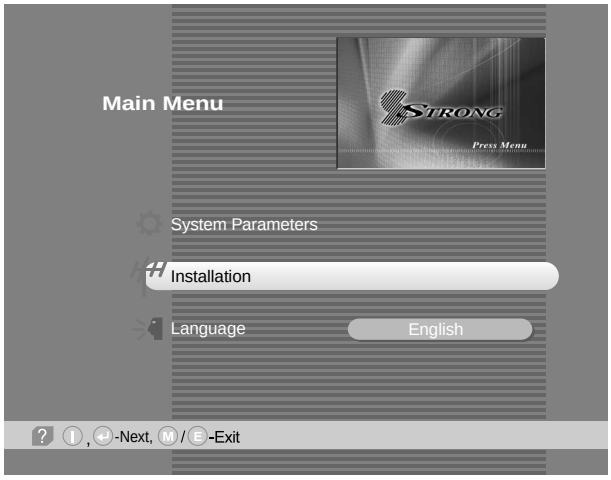
2 Help

If you want to know how to use current part in the menu, use **'help'** function.

❶ Select a content in the menu.

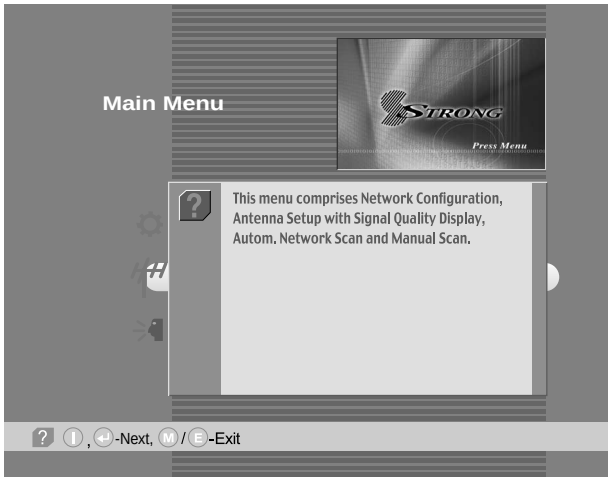
For example, if you want to know about the installation menu, select installation.

Screen



❷ Press **INFO.** Then you can see the help window of the selected content.

Screen



7.1 Getting Started

3 Tuner State

You need to check signal state of your receiver.

❶ Press **MENU** key.

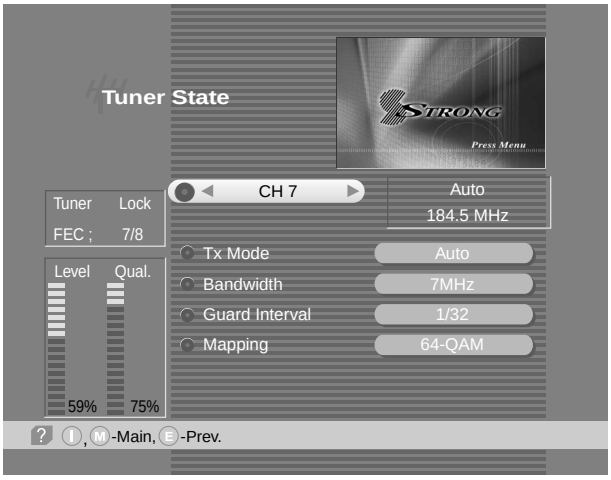
❷ Select **'Installation'** with CH▲ or CH▼, and press ↵.

Screen

∗ ***Note : Enter 4-Digit password if need arise. The default password is '0000'.***

❸ Select **'Tuner State'** with CH▲ or CH▼ and press ↵.

Screen



Level	Indicating selected channel signal strength level.
Quality	Indicating signal to noise ratio.

❹ Select the **channel** you want with ◀ or ▶.

❺ When the **channel** is selected, you can check the reception status of the signal. If the reception signal status is bad, adjust antenna to get the following result.

Tuner	Lock	**FEC**	1/2, 2/3, 3/4, 5/6 or 7/8
Level	over 30%	**Quality**	over 40%

4 *Automatic Full Scan*

After checking **'Tuner State'**, execute **'Automatic Full Scan'.**
Then you can get all program in the pre-programmed Channels. This function can also be used to get the latest program data while receiver is in use.
Through this function, the receiver searches for all the available program and saves them in the memory.

❶ Press **MENU** key.

❷ Select **'Installation'** with CH▲ or CH▼, and press ↵.

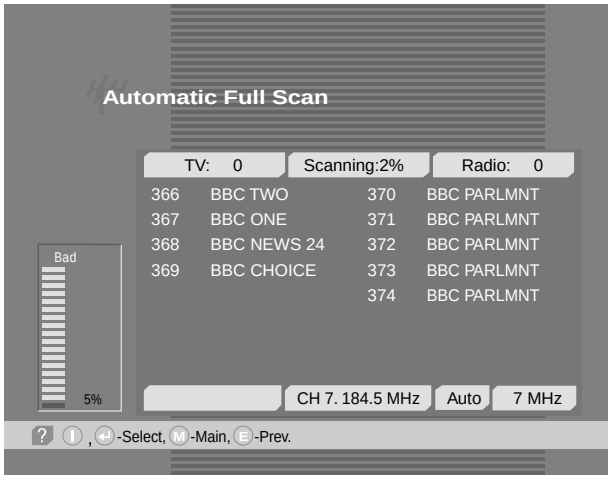
Screen

❸ Select **'Automatic Full Scan'** with CH▲ or CH▼, and press ↵.

❹ While scanning, you can see the following menu on the screen.

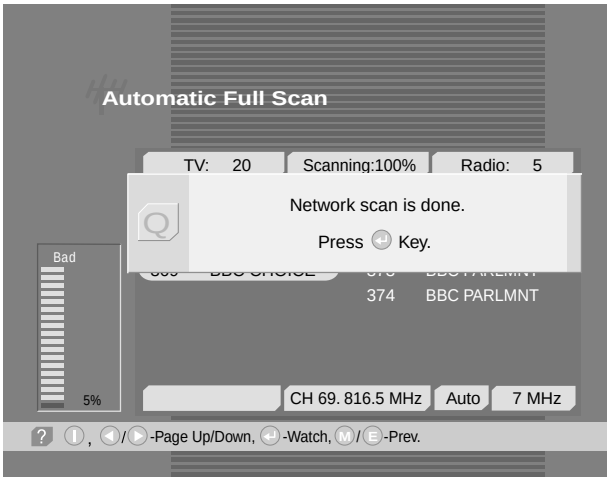
7.1 Getting Started

Screen



❺ When scanning is finished, you can see the following menu on the screen.

Screen



❻ After the scanning process, the first program of the last scanned channel will be displayed on the back screen.

❼ Press ↵, to finish the process. Then select a program and press ↵ to watch a program or press **MENU** key or **EXIT** key.

∗ Note : Now you have completed all steps needed for watching programs. If you could not see the program after finishing these procedures, please contact your engineer or representative.

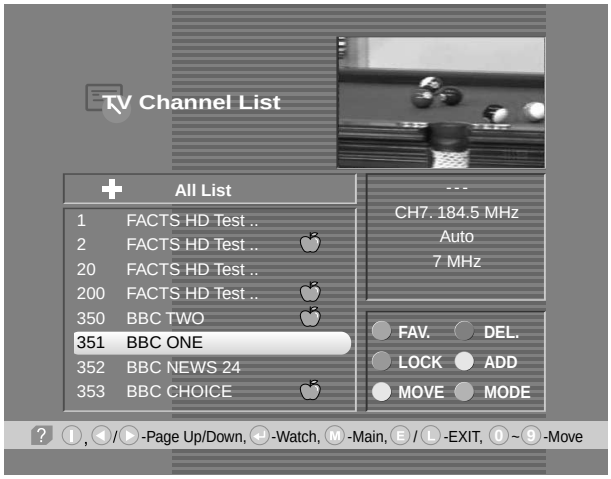
7.1 Getting Started

5 Select Channel

You can change the current channel to any other channel you want.

- If you do not know the channel name, or you want to select a channel at random, you can navigate between channels with CH▲ or CH▼ **(CH. Up/Down)** till you find the channel you want.
- If you know the channel number, enter the number and wait 5 seconds for the channel to change.
- If you know the channel name, press **CH LIST** key then channel list will pop-up.

Screen



❶ In the right section, detailed information of the selected channel will be displayed. (Name of network, frequency, bandwidth, etc.)

❷ Select the channel you want with CH▲ / CH▼ (scroll up/down) or ◀ / ▶ (page up/down).

❸ When the scroll bar is positioned on the channel you want to see, press ↵.

7.1 Getting Started

6 Volume Control

❶ While you are watching a program, press ◀ or ▶ to control volume of the current channel.

∗ ***Note : You can configure volume of each channel differently.***

Screen

❷ When necessary, press **MUTE** key to remove the sound of the program temporarily. Then, your receiver goes into mute condition and the volume bar will become red. Press **MUTE** key again to turn the sound on.

7.2 Channel Editing

1 Favorite Channel

You can set up favorite channel lists as you want.

* ***Note : If you press yellow key, you can set up favorite channel list without channel list menu.***

For example, if you want to set favorite channel lists as following.
Favorite1 : BBC Two, Kika
Favorite2 : ZDF
Favorite3 : ABC Two, ABC One
Firstly, set favorite1 channels.

❶ Press **CH.LIST.**

❷ Select **'BBC Two'** channel with CH▲ / CH▼ or ◀ / ▶.

Screen

7.2 Channel Editing

❸ Press **RED.**

Screen

❹ Select favorite1 with CH▲ or CH▼ and Press ↵.

Screen

7.2 Channel Editing

Screen

Do the same for the **'Kika'** channel.

Screen

7.2 Channel Editing

❺ Press **RED.**

Screen

❻ Press ↵.

Screen

Favorite1 ~ Favorite5 are default name. Users can rename them for their convenience.
If you want to rename **'Favorite1'** (for example **'Drama'**).

7.2 Channel Editing

❼ Press **RED.**

Screen

❽ Select **'Favorite 1'** with CH▲ or CH▼.

Screen

7.2 Channel Editing

⑨ Press **WHITE.**

Screen

⑩ 3 3 7 7 7 2 2 6 6 2 2 0 0 0 0 0 0 0 0 0 0

Screen

⑪ Press **MENU, EXIT** or ↵ to finish the process.

You have finished favorite1 channel setting.
With similar way, you can set favorite2 ~ favorite5 channel list.
You can use these favorite channel lists by using **ORANGE** key.
Refer to the next section for detail.

7.2 Channel Editing

2 Channel List Mode

Using this function, you can see variant channel lists which may enable you to edit and select channels more conveniently.

* ***Note : If you press green key, you can set up channel list mode without channel list menu.***

Favorite Mode

If you have set up favorite channel lists as the previous section, you can use them as following.

❶ Press **CH.LIST.**

Screen

7.2 Channel Editing

❷ Press **ORANGE.**

Screen

❸ You can see **'Channel List Mode'** window. Select **'Favorite'** with CH▲ or CH▼ and select **'Favorite1'** with ◀ or ▶.

Screen

7.2 Channel Editing

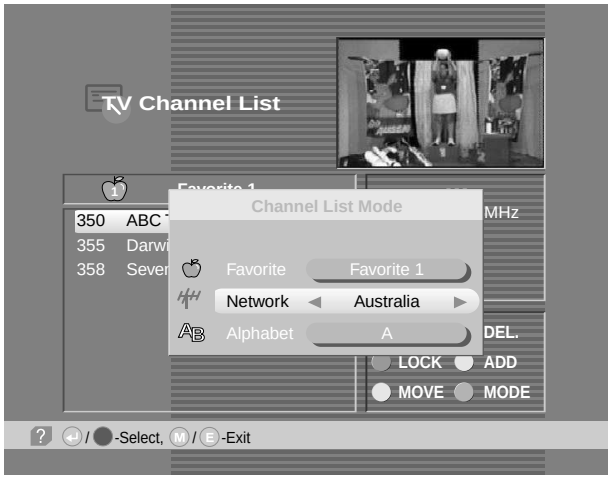
❹ Press ↵.

Screen

❺ You can see only favorite1 channels are listed. With similar way, you can see favorite2 ~ favorite5 channel list.

❻ If you want to return to all channel list (all channels of the selected Network), press **ORANGE** and select **'Network'** with CH▲ or CH▼ and press ↵.

Screen



7.2 Channel Editing

Alphabet Mode

Using this function, you can see the channel list which have same initial. This function is useful when you search specific channel among the list of thousands channels.
For example, if you want to see the channel lists which start with **'D'.**

❶ Press **ORANGE** in the channel list and select **'Alphabet'** with CH▲ or CH▼.

Screen

❷ Select **'D'** with ◀ or ▶.

Screen

7.2 Channel Editing

❸ Press ↵.

Screen

❹ You can see the channel list where all channels have initial **'D'.**

Network Mode

By using this function, you can see all channel list of the selected Network.

❶ Press **ORANGE** and select **'Network'** item with CH▲ or CH▼ and press ↵.

Screen

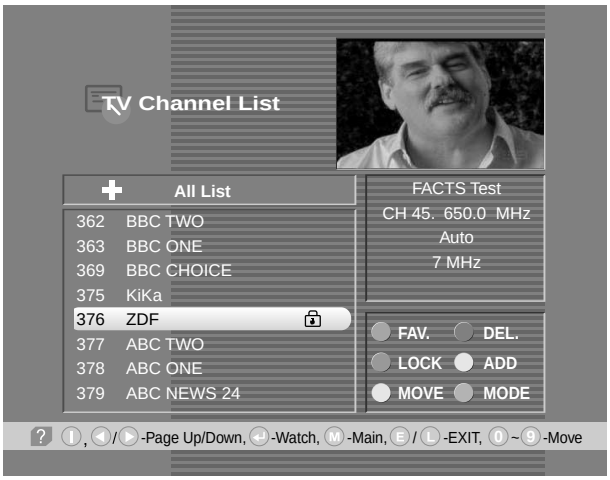
7.2 Channel Editing

3 Lock Channel

This menu enables you to prevent children from viewing programs unsuitable for their age.

❶ Press **CH.LIST** and Select the channel you want to lock with CH▲ / CH▼ or ◀ / ▶ and press **GREEN.**
Then the selected channel is locked.

Screen



∗ ***Note : If 'password' window is risen as following picture, enter password with numeric keys (default password is' 0000'). Then you can lock the channel. If you don't want this window, change 'Parental Control' set up in the 'System Parameters' menu. Refer to the 'Parental control' in 'System parameters' in this manual for detail.***

7.2 Channel Editing

Screen

Screen

❷ Press **MENU, EXIT** or ↵ to finish the process.

❸ Without entering your password, you cannot watch a locked channel's program.

7.2 Channel Editing

Screen

❹ If you want to cancel the channel lock, go to the channel list and select the channel and press **GREEN.**

4 *Channel Order Setting*

You can organize the number or sequence of the channels.

❶ Press **CH.LIST.**

Screen

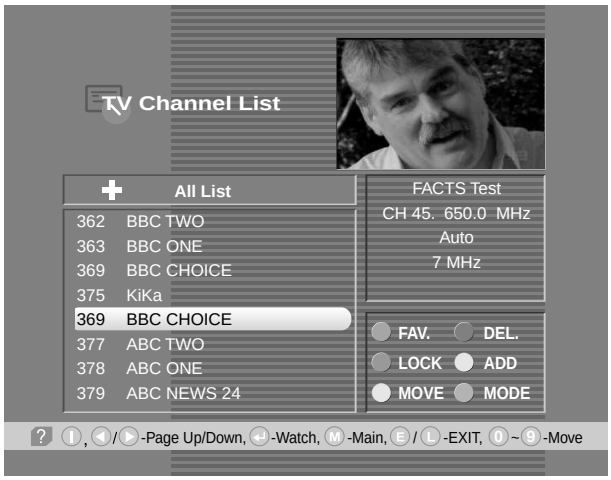
7.2 Channel Editing

❷ Select the channel you want to move with CH▲ / CH▼ or ◀ / ▶ and press **YELLOW.**

Screen

❸ Move the selected channel with CH▲ / CH▼ or ◀ / ▶ to the position you want.

Screen



7.2 Channel Editing

❹ Press **YELLOW.**

Screen

❺ Press **MENU**, **EXIT** or ↵ to finish the process.

5 *Delete Channel*

You can delete channels from the channel list.

❶ Press **CH.LIST** and select the channel you want to remove with CH▲ / CH▼ or ◀ / ▶.

Screen

7.2 Channel Editing

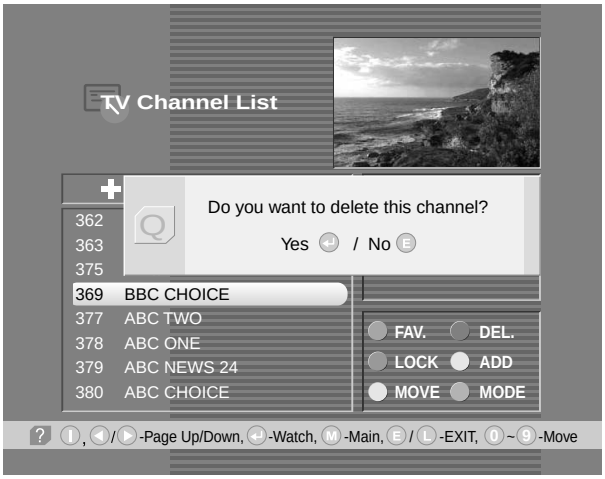
❷ Press **BLUE.**

∗ ***Note :*** ***If 'password' window is risen as following picture, enter password with numeric keys (default password is' 0000'). Then you can delete the channel. If you don't want this window, change 'Parental Control' set up in the 'System Parameters' menu. Refer to the 'Parental control' in System parameters' in this manual for detail.***

Screen

❸ Then, you need to confirm the deletion. If you definitely want to delete, press ↵.
If not, press **EXIT.**

Screen



∗ ***Note : Please be careful when you delete channel(s).***

❹ Press **MENU**, **EXIT** or ↵ to finish the process.

7.2 Channel Editing

6 Add Channel

❶ Press **CH.LIST.**

❷ Press **White.**

Screen

❸ Move to **'CH. Number'** section (column) by pressing CH▲▼ and change **CH. Number** with ◀ or ▶.

❹ Move to **'CH. Name'** by pressing CH▲▼ and enter the alphabetic characters with numeric keys.

* **For example :** if you want to enter **SAT-1**,

7 7 7 7 ▶ 2 2 ▶ 8 8 ▶ 1 1 1 1 ▶ 1

* ***Note : Press 0 0 for space***

❺ Move to **'VIDEO PID'** by pressing CH▲▼ key and enter the proper value with numeric keys.

❻ Move to **'AUDIO PID'** by pressing CH▲▼ key and enter the proper value with numeric keys.

❼ Move to **'PCR PID'** by pressing CH▲▼ key and enter the value between 0000 ~ 8192 with numeric keys.

* ***Note : The above mentioned VIDEO PID, AUDIO PID, PCR PID are very important for optimal terrestrial signal reception. We recommend you get professional advice where available. You cannot setup 'VIDEO PID' for RADIO channels.***

7.3 System Parameters

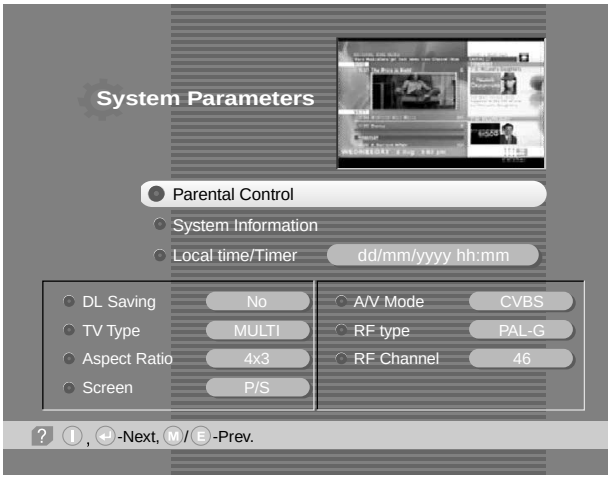
1 Setting Age Restrictions

This sub-menu allows you to set the age for parental locking and protect children from viewing programs unsuitable for their age.

❶ Press **MENU** key.

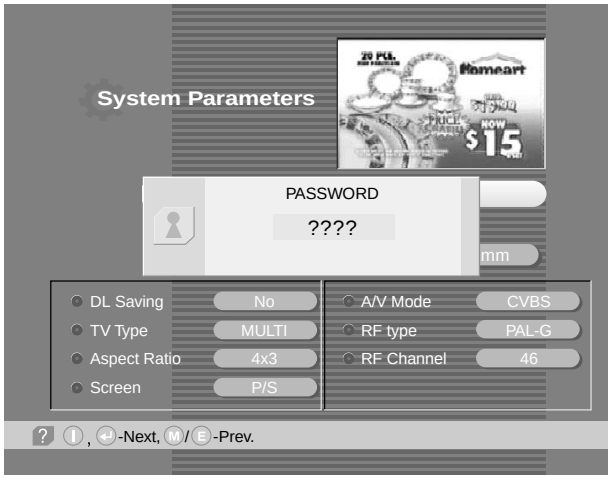
❷ Press CH▲ or CH▼ to select **'System Parameters'** and press ↵.

Screen



❸ Press CH▲ or CH▼ to select **'Parental Control'** and press ↵.

Screen

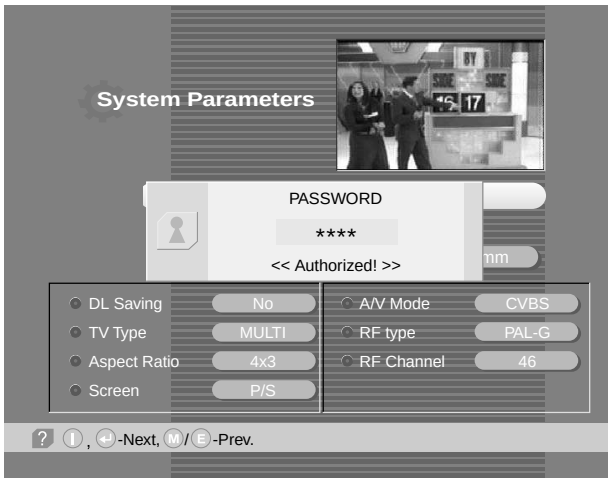


7.3 System Parameters

❹ Enter 4-digit password.

* ***Note : The default password is '0000'.***

Screen



❺ Press CH▲ or CH▼ to select **'Age Limit'.**

Screen

❻ Press ◀ or ▶ to select age you want.

No Block	No age limit	**Block all**	Block All
G	General	**PG**	Parental Guidance Recommended
M	Mature Audience 15+	**MA**	Mature Adult Audience 15+
AV	Audience, Strong Violence 15+	**R**	Restricted 18+

* ***Note : 'Age limit' can be applicable only for the signal which carries age limit information.***

7.3 System Parameters

2 Security Check

You can set **SECURITY CHECK** to protect your current installation from being changed (location shift, deletion, adding etc.) or modifying of installed data.

❶ Press **MENU** key.

❷ Press CH▲ or CH▼ to select **'System Parameters'** and press ↵.

❸ Press CH▲ or CH▼ to select **'Parental Control'** and press ↵.

❹ Enter 4-digit password.

∗ ***Note : The default password is '0000'.***

❺ Press CH▲ or CH▼ to select **'Lock channel Editing'**, or **'Lock Installation'**.

❻ Press ◀ or ▶ to select **'Yes'**, or **'No'**.

Yes	When you process with **'Channel Editing'** or **'Installation'** of Main Menu, your receiver will ask for password. If you enter wrong password, you cannot proceed further.
No	You do not enter password during your processing.

∗ ***Note : Your receiver is pre-set as 'Yes'.***

3 Password Changing

You can change your password.

❶ Press **MENU** key.

❷ Press CH▲ or CH▼ to select **'System Parameters'** and press ↵.

❸ Press CH▲ or CH▼ to select **'Parental Control'** and press ↵.

❹ Enter 4-digit password.

∗ ***Note : The default password is '0000'.***

❺ Press CH▲ or CH▼ to select **'New Password'.**

❻ Press 0 ~ 9 numeric numbers to enter new password.

❼ Press 0 ~ 9 numeric numbers again to verify the new password.

∗ ***Note : When you forget your new password, please consult the shop where you bought the receiver or the nearest dealer.***

7.3 System Parameters

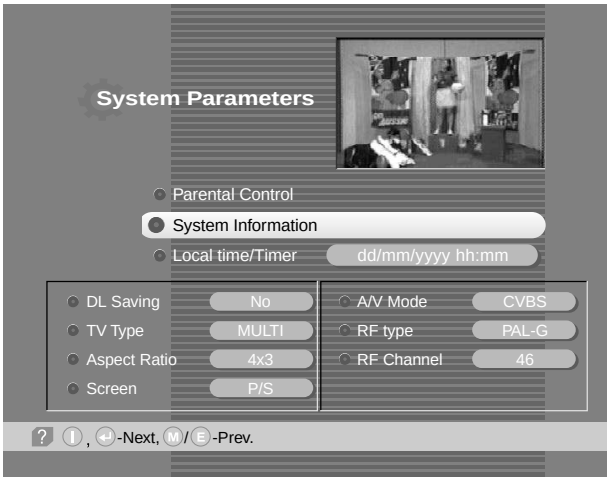
4 System Information

You can check the current information about your receiver such as receiver's software and hardware version or manufacturing date.

❶ Press **MENU** key.

❷ Press CH▲ or CH▼ to select **'System Parameters'** and press ↵.

Screen



❸ Press CH▲ or CH▼ to select **'System Information'** and press ↵.

Screen

* ***Note : This information is necessary when you download new software or you need to repair the receiver.***

7.3 System Parameters

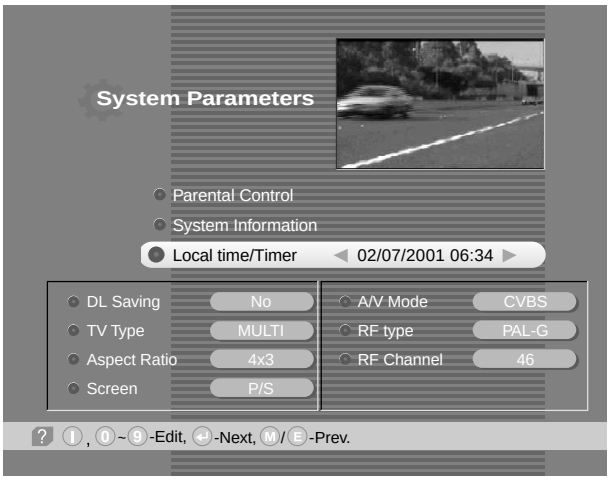
5 Setting Timer (Automatic power On/Off)

You can pre-set the on/off time of your receiver.
During your absence, you can record programs on your VCR.

❶ Press **MENU** key.

❷ Press CH▲ or CH▼ to select **'System Parameters'**, and press ↵.

Screen



❸ Press CH▲ or CH▼ to select **'Local Time/Timer'**, and press ↵.

∗ ***Note : Without the local time setting, this 'TIMER' function does not work.***

Screen

7.3 System Parameters

❹ Press CH▲ or CH▼ to select **'Timer #(number)'** you want to set and press ↵.

❺ determine **'CH. Type'** by selecting **'TV'** or **'RADIO'** with ◀ or ▶.

❻ Select **'CH. Number'** with CH▲ or CH▼ and enter channel number with numeric keys or with ◀ or ▶.

❼ Select **'Start Time'** for your receiver power-on.

* **For example :** For 1st of February in the year of 2000, 7:30 P.M.,
  Enter 0 1 0 2 2 0 0 0 1 9 3 0 in sequence

❽ Select **'Stop Time'** by pressing CH▼.

❾ Enter power off time in the same way as you entered **'Start Time'.**

❿ Select **'Status'** and set **'Yes/No'** with ◀ or ▶.

⓫ Select **'HD record'** and set **'ON'** with ◀ or ▶ if you want to record auto matically.

* ***Note : 1. Without 'STATUS' being actuated (ON), Timer does not work.***
  2. If Prior time than current is entered, Timer does not work.
  3. You can pre-set 14 TIMERs simultaneously. Regardless of number of TIMER, Timer will work in sequence of time sequence.
  4. Remocon Key doesn't work while VCR recording.(While HDD recording, remocon key works)

6 *Setting Day Light Saving Time (Summer Time)*

You can adjust current local time when summer time is applicable.

❶ Press **MENU** key.

❷ Press CH▲ or CH▼ to select **'System Parameters'**, and press ↵.

❸ Press CH▲ or CH▼ to select **'DL Saving'**.

❹ Press ◀ or ▶ to select **'Yes' or 'No'**.

Yes	Set for daylight saving function activated The current time automatically moves one hour ahead
No	Set for daylight saving function deactivated The current time automatically moves on hour behind

* ***Note : Without current local time setting, this menu cannot be processed.***

7.3 System Parameters

7 Setting TV Type

You can set your TV display mode with this sub-menu.

❶ Press **MENU** key.

❷ Press CH▲ or CH▼ to select **'System Parameters'**, and press ↵.

❸ Press CH▲ or CH▼ to select **'TV Type'.**

❹ Press ◄ or ► to select **'Multi', 'PAL',** or **'NTSC'.**

Multi	When your TV is compatible with NTSC/PAL dual mode.
PAL	When your TV is only for PAL reception. Regardless of satellite signal, the display will be done in PAL format.
NTSC	When your TV is only for NTSC reception. Regardless of satellite signal, the display will be done in NTSC format.

∗ ***Note : If the satellite signal and your TV type are mismatched, the TV picture may be distorted. Even in this case, MENU will be displayed as normal. (e.g. When you receive PAL satellite signal with NTSC TV type setting or vice versa)***

8 Setting Aspect Ratio

This sub-menu allows you to select your TV aspect ratio to 4:3 or 16:9 according to your wishes.

❶ Press **MENU** key.

❷ Press CH▲ or CH▼ to select **'System Parameters'**, and press ↵.

❸ Press CH▲ or CH▼ to select **'Aspect Ratio'**.

❹ Press CH▲ or CH▼ to select **'4x3'** or **'16x9'** or **'Auto'**.

4x3	When your TV is 4:3.
16x9	When your TV is 16:9.
Auto	When setting suitable aspect ratio automatically.

∗ ***Note : If you set 4 x 3 when the Satellite input signal is 16 x 9, the right and the left parts of the original picture may not be seen.***

7.3 System Parameters

9 Setting Screen

You can select the terrestrial input signal display mode.

❶ Press **MENU** key.

❷ Press ▲ or ▼ to select **'System Parameters'**, and press ↵.

❸ Press ▲ or ▼ to select **'Screen'.**

❹ Press ◄ or ► to select **'P/S'** or **'L. Box'.**

P/S	When you set screen display boundary from Pan/Scan data of Satellite input signal. (For signal for 16x9 program)
L.Box	You can watch 16 x 9 ratio screen by reducing original size vertically and horizontally.

∗ ***Note : 1 If you select 'L.Box', the screen might be distorted. Upper and lower part of the screen will be blocked with black stripes.***

2. 'Screen' function is helpful when receiving 16 x 9 signal with TV of 4x3 format.

10 Setting Scart Video Output mode

You can set video output mode for 2 scart connectors on the rear panel for true video quality.

❶ Press **MENU** key.

❷ Press ▲ or ▼ to select **'System Parameters'**, and press ↵.

❸ Press ▲ or ▼ to select **'A/V Mode'**.

❹ Press ◄ or ► to select **'CVBS', 'Y/C', 'RGB'.**

CVBS	Video out signal from TV, AUX scart will be composite.
Y/C	Video out signal from TV, AUX scart will be Y, C.
RGB	Video out signal from TV scart will be output as RGB. Video out signal from AUX scart will be CVBS.

7.4 Manual Scan

After checking **'Tuner State',** when necessary, you can edit parameters of certain channels and scan them.

❶ Press **MENU** key.

❷ Select **'Installation'** with CH▲ or CH▼, and press ↵.

Screen

❸ Select **'Manual Scan'** with CH▲ or CH▼, and press ↵.

Screen

7.4 Manual Scan

❹ Move to **'Channel'** with CH▼ and select the **Channel** you want to edit with ◄ or ►. You can use the **numeric keys** to enter the **channel** you require.

If you press ↵, you can see cursor is created. And if you enter channel number and press ↵, it will move to that channel.

❺ Move to **'Frequency'** with CH▼. If you want to modify the frequency, regulate it by 0.1MHz with ◄ or ►. If you want to move to a channel whose frequency you know, enter the frequency value with numeric keys and press ↵. You can see it moves to a channel that is closest to the entered frequency .

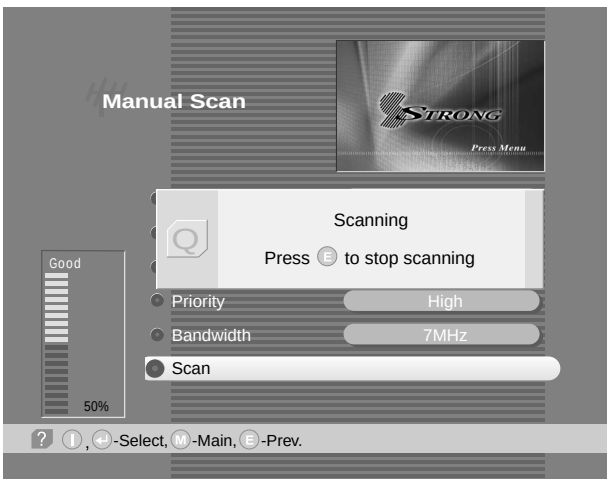
❻ Select **'Tx Mode'** by pressing CH▼ and set the proper value for the selected **Channel** with ◄ or ►.

❼ Select **'Bandwidth'** by pressing CH▼ and set the proper value for the selected **Channel** with ◄ or ►.

❽ After entering all values of the **channel** parameters, move to **'SCAN'** section (column) with CH▼ and press ↵ for storing all the entered **channel** data.

❾ As a result, you can get the following menu showing the scanning process.

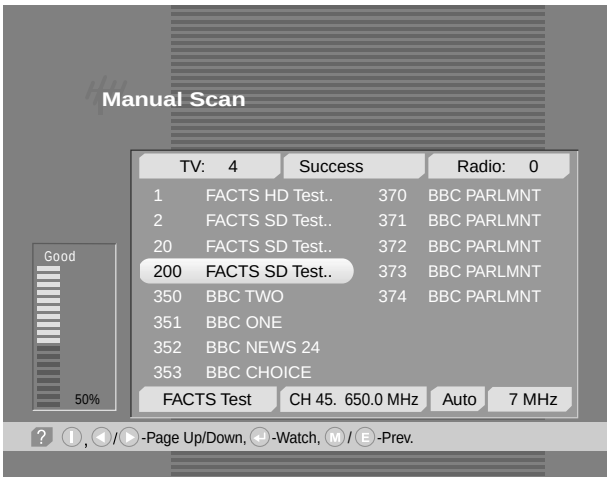
Screen



7.4 Manual Scan

❿ After scanning process, the first channel of scanned **channel** will be displayed.

Screen



∗ Note : If the scan fails, please check whether your entered values are correct or not and the signal reception sensitivity is good or bad.

7.5 Factory Set

The status of the receiver will return to factory default parameters by using this function.

❶ Press **MENU** key.

❷ Select **'Installation'** with CH▲ or CH▼, and press ↵.

Screen

❸ Select **'Factory Set'** with CH▲ or CH▼, and press ↵.

Screen

❹ When the menu asks you to confirm the reset, press ↵ if you want to reset or press **EXIT** key if you want to void the reset.

7.6 Software Download

Software Download function enables user to download and update new program from air.

❶ Press **MENU** key.

❷ Select **'Installation'** with CH▲ or CH▼, and press ↵.

❸ To start receiving the data through air, press ↵ on **'Software Download'.**

❹ It takes a few minutes to search the group of programs & downloaded channel.
Move to next Menu if you succeed in searching the necessary information.

❺ The explanations for **'Software Download'** menu are as follow,

- **Start :** Starting downloading the selected data.
- **Display info :** Displaying the updated contents & other text information.
- **Main SW :** Select whether you would update the main program of Receiver or not.
- **Ch List :** Select whether you would update the channel list of Receiver or not.
- **Info :** Select whether you would watch the updated contents & other information of this version or not.

❻ If you select **'Start'**, it starts downloading selected data.
On finishing the download, if necessary, Receiver is restarted.

∗ Note : 1. Do not turn off the Power, while upgrading Receiver.
2. This service is not provided yet.

7.7 Other Function on Remote Control Unit

1 TV / STB switching

❶ Press **'TV/STB'.** The signal reception path will change to RF modulator and **'TV/STB'** LED on front panel will be lit.

❷ The signal output through the RF modulator will be as follows :

TV/STB LED	DC Power ON	DC Power OFF (Standby)
ON	RF IN signal will be out.	
OFF	Decoded signal will be out through RF.	RF IN signal will be out.

2 TV / RADIO switching

You can use this menu when you change a TV channel to a Radio channel or vice versa.

❶ Press **'TV/RADIO'.**

❷ When listening a radio channel, **'r001'** will be displayed on the front panel.

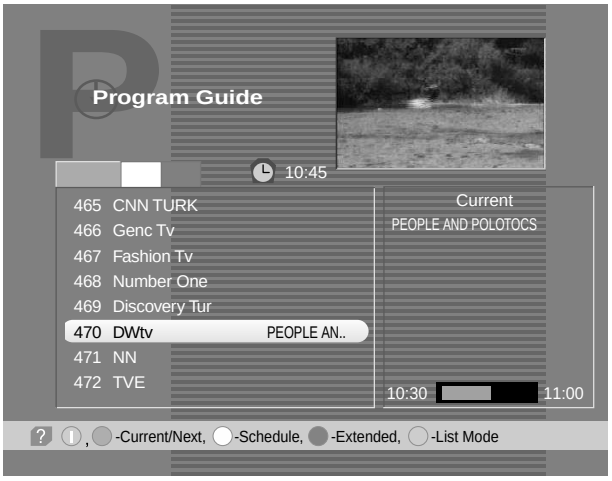
7.7 Other Function on Remote Control Unit

3 GUIDE(EPG:Electronic Program Guide)

You can check the channel information on the channels of the transponder you are watching.

❶ Press **GUIDE** key, then the following menu will be displayed.

Screen



∗ Note : 1. You can check local time, channel name, and other brief information on the current program.

2. If you didn't set local time under 'System Parameters' section, the GUIDE function may not work properly.

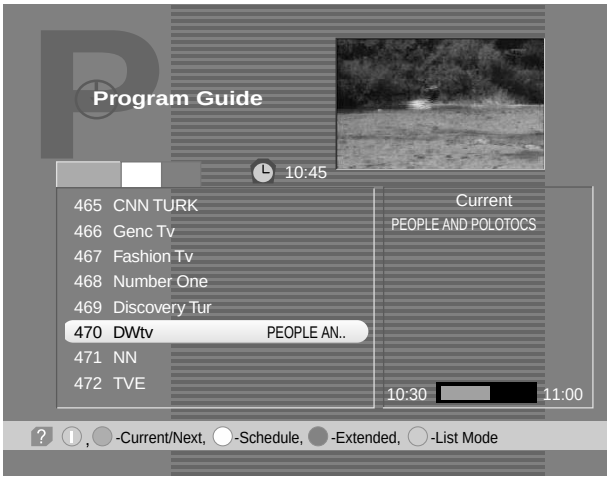
3. EPG information is delivered by terrestrial signal from service providers. If the channel does not carry any signal on the guide data, this function may not work properly.

7.7 Other Function on Remote Control Unit

❷ Select Channel with CH▲ or CH▼.
Then you can see current or next program information of the selected channel.

❸ If you press **GREEN**, current or next program information would be converted to next or current program information respectively.

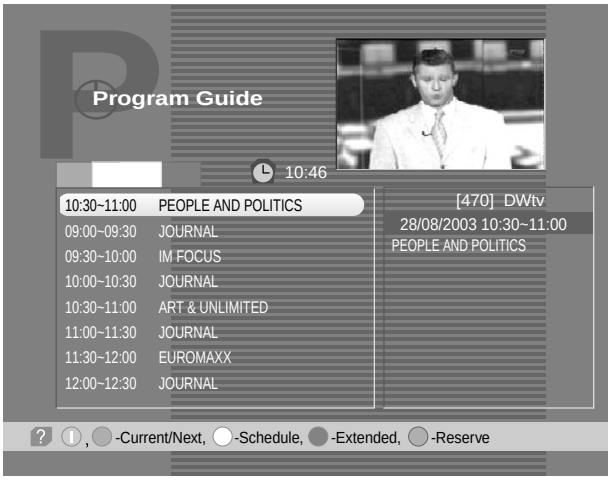
Screen



7.7 Other Function on Remote Control Unit

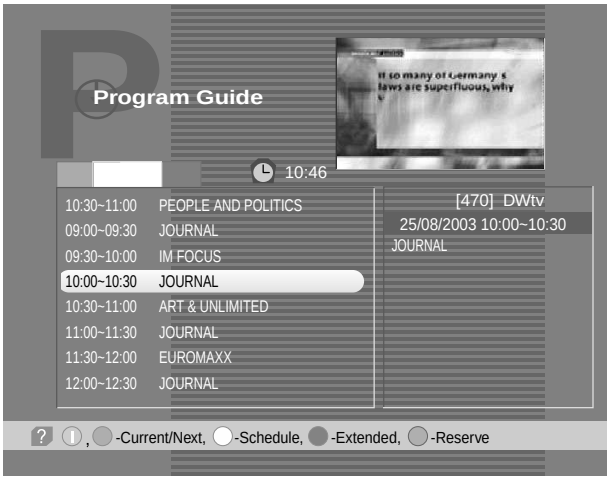
❹ If you press **YELLOW**, you can see program schedule list of the selected channel.

Screen



❺ If you want to see program information of a program in the program schedule list, select the program with CH▲ or CH▼.
Then you can see the program information in the right window.

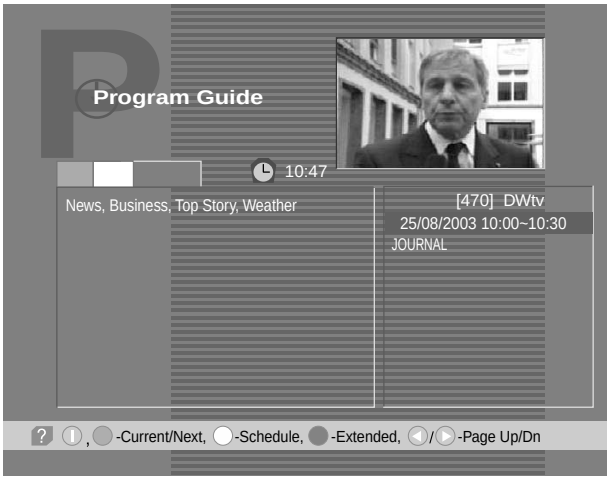
Screen



7.7 Other Function on Remote Control Unit

❻ If you press **BLUE**, you can see extended program information of the selected program.

Screen

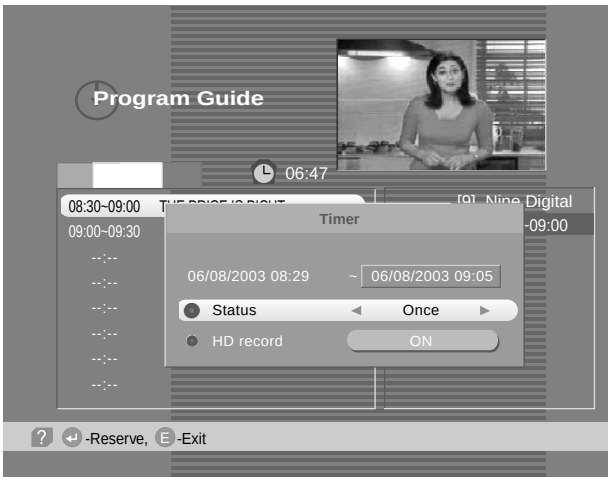


❼ You can set up automatic power on-off (Timer) or automatic recording on the program schedule list. After press **YELLOW** in the Guide(EPG) menu, select a program with / or / and press .

❽ Select **'Once/Daily/Weekly/No'** of **'Status'** with or .

❾ Select **'HD record'** and set **'ON'** with it you want to record automatically.

Screen



7.7 Other Function on Remote Control Unit

Screen

⑩ Press **MENU**, **EXIT** or ↵ to finish **GUIDE** menu.

Screen

∗ Note : 1. Without 'STATUS' being actuated (Yes), 'Timer' does not work.
2. If a program of prior time than current time ('Local Time' in 'System Parameters' menu) is selected, Timer does not work.
3. Refer to 'Setting Timer' in 'System Parameters' in this manual.

7.7 Other Function on Remote Control Unit

4 Subtitle/Audio

You can adjust the subtitle and audio condition/status of the current channel.

❶ Press **'AUDIO'** and subtitle and audio related window will be displayed on the screen.

Screen

❷ In this example, program spoken language is **'English'** and user's selected subtitle language is **'Swedish'.**

Screen

7.7 Other Function on Remote Control Unit

The contents of each parameter are as follows ;

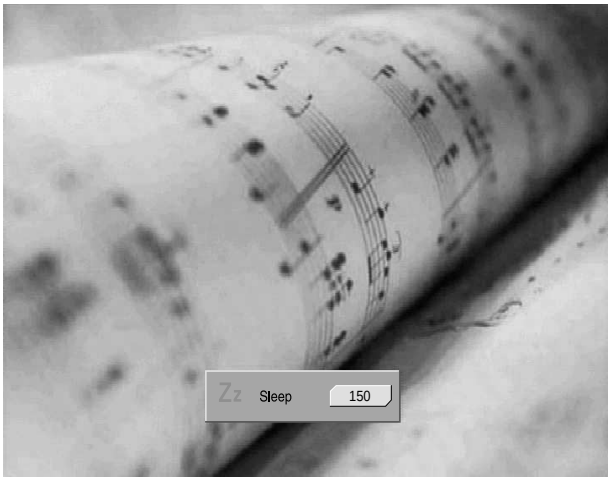
Subtitle Track	(Subtitle language #) of (all subtitle language available in this program) [Current selected subtitle language]
Audio Track	(Audio track #) of (all tracks available in this program) [spoken language in this program]
Audio Mode	Stereo -> Mono-Left -> Mono-Right
Dig.Output	MPEG STEREO / Dolby Digital (AC 3)

∗ Note : These subtitle and audio parameters are workable only when the receiving channel supports these functions.

5 *Sleep Timer*

Your receiver will automatically power-off when the time you set is passed.
Press **'SLEEP'** key until the right time you want appears.

Screen



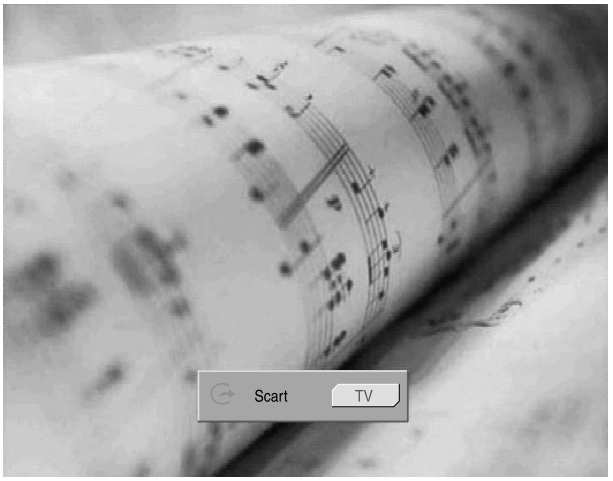
∗ Note : 1 You can set SLEEP TIMER in 30 minute steps up to 150 minutes.
2. The SLEEP TIMER does not work while you are in 'MENU', 'GUIDE' or 'CHANNEL LIST'.

7.7 Other Function on Remote Control Unit

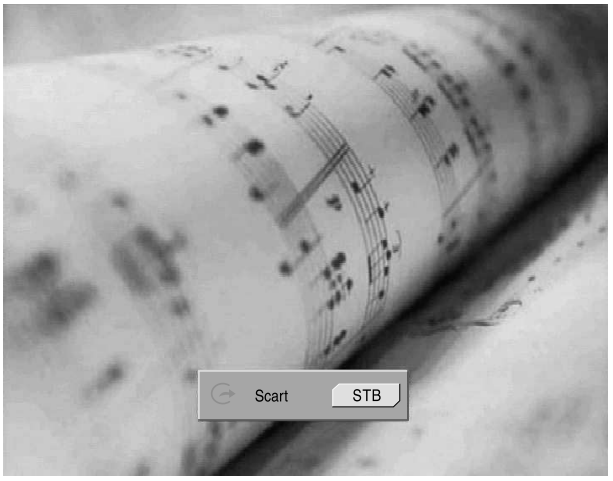
6 *Aux in*

You can set in/out mode of the two scart connectors (TV, AUX) on the rear panel.
Press **'Aux in'** key until the scart mode you want is displayed.

Screen

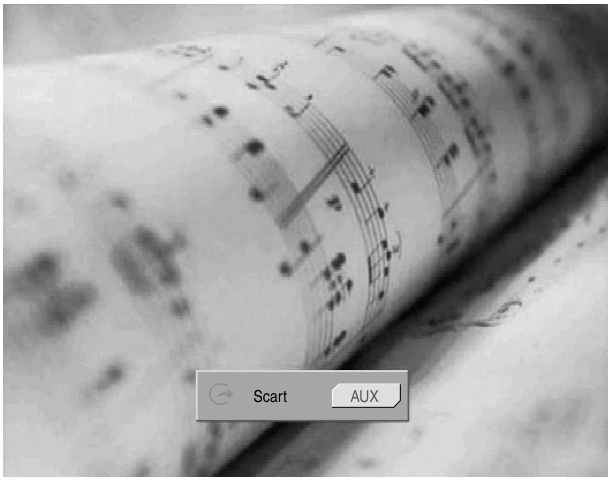


Screen



7.7 Other Function on Remote Control Unit

Screen



STB	Input terrestrial signal will be output to TV Scart and AUX (VCR) Scart. (can connect VCR to AUX connector for recording)
AUX	Input signal from AUX scart connector will be output to TV scart. If there is no input from AUX scart, your receiver will work as if you chose STB mode.
AUX 2	Input signal from AUX scart connector will be output to TV scart by force.
TV	Input signal from TV scart connector will be output to AUX scart. (Only for CVBS)

∗ Note : You cannot see picture when set to AUX 2 mode and there is no input signal from outside.

7.7 Other Function on Remote Control Unit

7 Channel / Information

Brief information is displayed, such as current channel type, name, local start/end time, guide information, current time, fav/normal mode, Audio mode and Audio ID.

❶ Press **INFO**, then the information bar will pop-up.

Screen

∗ Note : If you have no information :

- Check your local time setting is correct.

- Information is not sent by the channel provider.

7.7 Other Function on Remote Control Unit

8 ***Captions***

Hot-Key Captions On/Off

If there is captions in stream, you can see caption data by Caption Hot-Key.

Screen

If there is no captions in stream, You cae see **'None'** Title Bar.

Screen

7.7 Other Function on Remote Control Unit

9 *Ratio*

Hot-Key for Aspect Ratio Change

By Ratio Hot-key you can select aspect ratio.

Screen

10

Hot-Key for Timer function

If you press this key, you can setting Timer function directly.

Screen

Hard Disk Operation 8

8.1 Recording

1 Start Recording

You can record the current channel by pressing **RED(●)** key.

Direct Recording

❶ Press **RED(●)** key only once.

❷ Starting record current channel on the spot.

Screen

∗ ***Note : While a program is recorded, if you press INFO or ↵ key, red R-icon is displayed information bar. Though you watch not only the current recording channel but also the other previous recording channel.***

8.1 Recording

Manual Recording

❶ Press **RED(●)** key twice.(Double click)

❷ Program Guide menu appeared with recording dialog menu.

❸ You can edit channel name and information.

Screen

❹ You can change the record stop time with numerical key.

❺ Using ◀ or ▶ to change the record stop time in 30 minutes intervals.

❻ Press ↵ key to start recording.

Screen

∗ Note : Default recording duration time is set for 2 hours. You can set recording duration 23hours 59 minutes maximally

Screen

Reserve Recording

※ You can reserve recording by means of a timer function. please refer to the section **7.3.5 'Setting Timer'.**

※ You can reserve recording by means of EPG function. please refer to the section **7.7.3 'GUDIE(EPG)'.**

2 *Stop Recording*

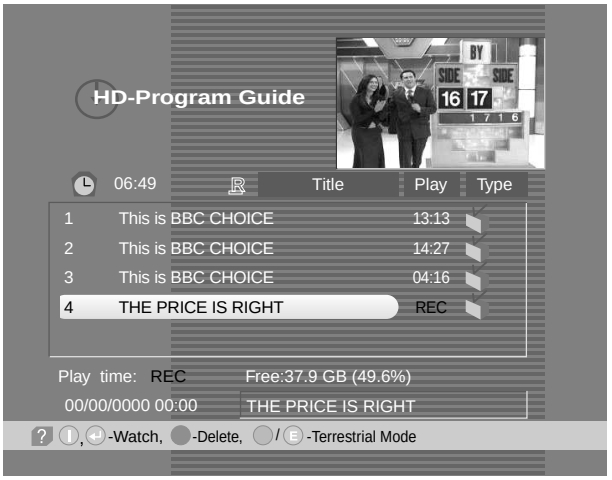
After the time, which is either given by the EPG or set by you, the recording automatically stops. And the HD Program Guide menu appears. By pressing **ORANGE(LIST)** or **EXIT** key you can return to live channel.

∗ Note : After record stopped, the receiver have not any command for 5 minutes. Then the receiver will go automatically power off.

If you want to stop recording by force, you must enter HD-Program Guide menu.

❶ If any program has been played, press **ORANGE(LIST)** key to enter HD-Program Guide menu.

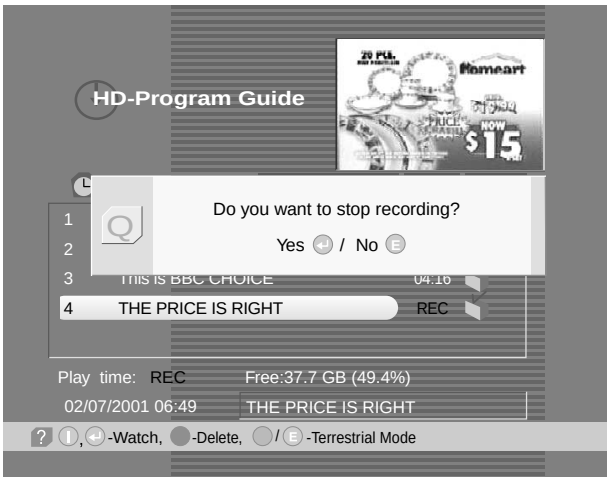
Screen



8.1 Recording

❷ HD-Program Guide menu is displayed, press **ORANGE(LIST)** once again or **EXIT** key.

Screen



❸ You will be asked if you would like to stop the recording. Confirm selection by pressing ↵ key or cancel **EXIT** key.

8.2 Playing

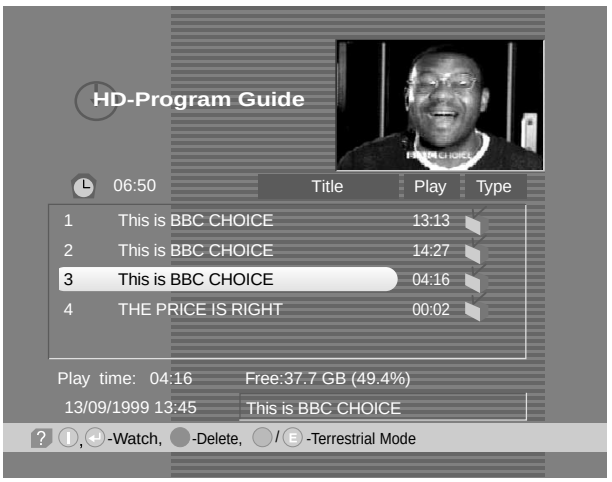
1 Start Playing

You must select a program to play stored programs.
For entering HD-Program Guide menu, press **ORANGE(LIST)** key.

❶ Press **ORANGE(LIST)** key.

❷ In HD-Program Guide, select a program by pressing CH▲ or CH▼.

Screen



❸ Press ↵ to start playing.

* ***Note : For controlling trick play mode, you must press ↵ or INFO key then HD-Information Bar will pop-up.***

8.2 Playing

2 *Trick Play Controls*

For using trick play mode, you must press ⏎ or **INFO** key then HD-Information Bar will pop-up.

Screen

Trick Play Mode : Pause, Jump, Fast Forward, Fast Reverse, Resume.

	HD Playing	HD Paused
YELLOW ▶▶	Fast Forward	Jump Forward
GREEN ◀◀	Fast Reverse	Jump Backward
BLUE ▶‖	Pause	Resume
WHITE ■	Stop	Stop
INFO or ⏎	Info On/Off	Info On/Off
RED ●	slow play	slow play

- Pause
❶ Press **BLUE** ▶‖ .

- Jump
❶ Press **BLUE** ▶‖ .
❷ Press **YELLOW** ▶▶ or **GREEN** ◀◀ .
❸ Press **BLUE** ▶‖ .

- Fast Forward
❶ Press **YELLOW** ▶▶ .

- Fast Reverse
❶ Press **GREEN** ◀◀ .

- Stop
❶ Press **WHITE** ■ .

8.3 Delete Programs

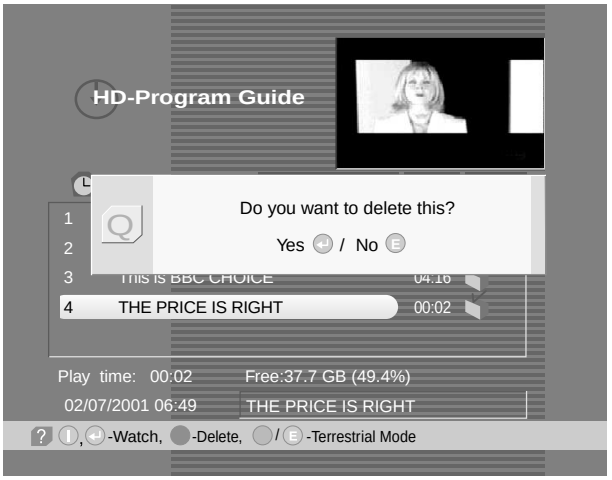
You can delete any program in HD-Program Guide menu.

❶ Press **ORANGE(LIST)** key then HD-Program Guide menu will pop-up.

❷ In HD-Program Guide, select a program with CH▲ or CH▼.

❸ Press **RED(●)** key to delete the program then Delete dialog menu will pop-up.

Screen



❹ Press ↵ to delete the program or **EXIT** key to void.

∗ ***Note : For deleting any stored program, you must stop both playing and recording.***

8.4 Lock Programs

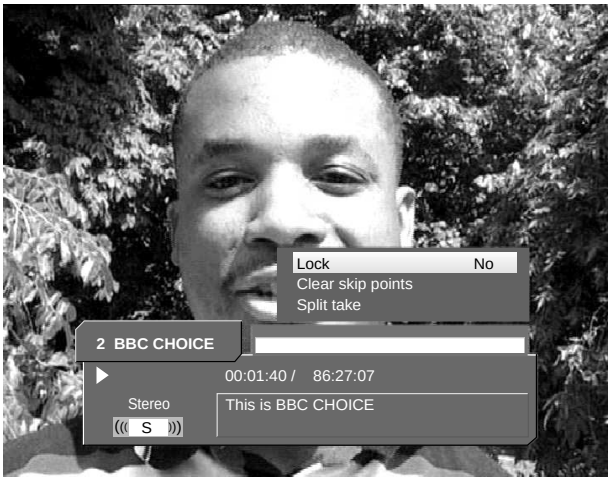
If you want to lock any program, enter the advanced menu by pressing **MENU** key with HD-Information Bar.
After locking a program, you must enter the password for playing the program.

❶Start playing a program.

❷Press ↵ then HD-Information Bar will pop-up.

❸Press **MENU** key, the advanced menu will pop-up.

Screen



❹Select **'LOCK'** using CH▲ or CH▼.

❺Press ↵, LOCK enable or disable will be setted with Yes or No.

∗ ***Note : The password for playing a stored program is the same password for any other lock operation.***

8.5 Skip Play

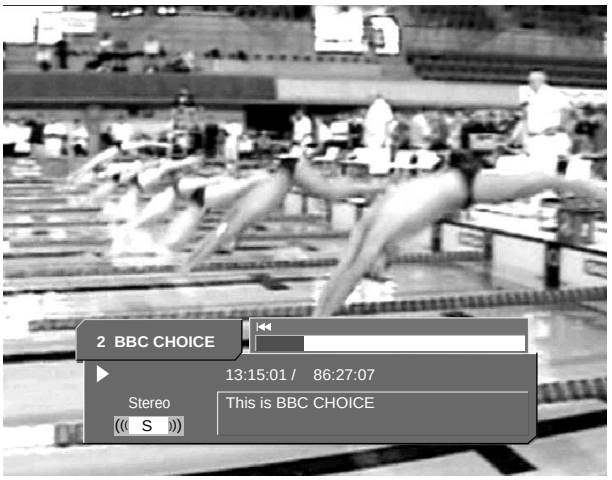
You can set the part you don't want to play, such as advertise ments.
The skip part consists of start and end points.
In all, 10 skip points are available.

❶ Select a program with CH▲ or CH▼, and press ↵ to play in HD-Program Guide menu.

❷ Start playing and search the start point of skip play you want using trick play controls.

❸ Press **RED(●)** key to set the start point.

Screen



❹ Temperary start point will be displayed with a red pointer on the Bar.

❺ Press **RED(●)** key to set the end point you want.

8.5 Skip Play

⑥ Then a proper pair of start and end points will be displayed with yellow pointers on the Bar.

Screen

∗ ***Note : To try setting on improper pair will be rejected.***

⑦ Press **RED(●)** key at the position between start and end points, then the skip-point will be removed.

⑧ Press **MENU** key and select **'Clear skip points'.**

Screen

⑨ Press ↵, to remove all skip points.

8.6 Split Operation

You can split a program in two programs.
The operation takes a few minutes to complete splitting.

❶ Select a program with CH▲ or CH▼, and press ↵ to play in HD-Program Guide menu.

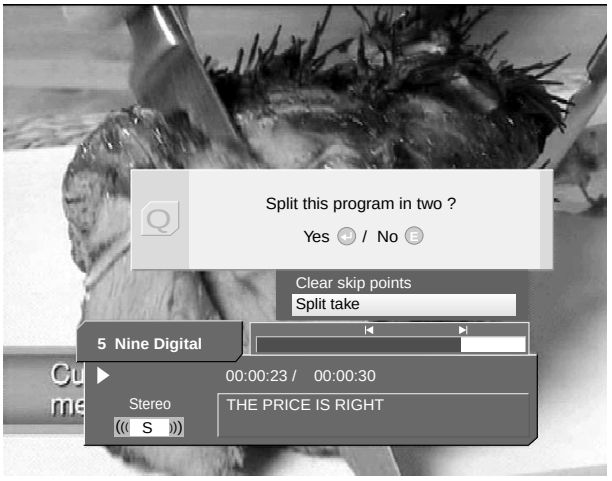
❷ Search the split point you want using trick play controls.

❸ Press **MENU** key, then the advanced menu will pop-up.

Screen

❹ Select **'Split take'** menu and press ↵, then Split take dialog will pop-up.

Screen

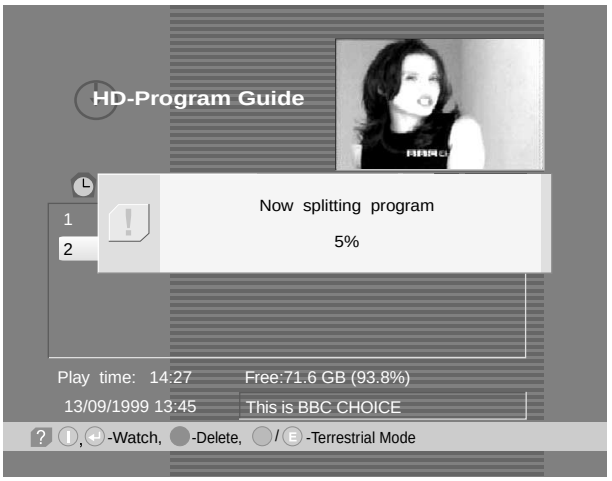


8.6 Split Operation

❺ Press ⏎ to start splitting or **EXIT** key to void.

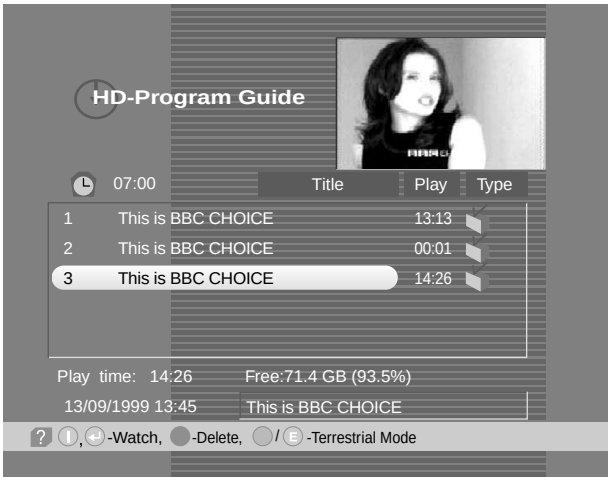
❻ If split operation starts, the progress window will pop-up and you can see the status of process.

Screen



❼ After splitting, HD-Program Guide menu will pop-up and splitted program will be selected.

Screen



8.7 Trick Play Controls without OSD

You can use trick play controls without HD-Information Bar.
Small yellow icon will be displayed for trick play controls.
Additional play control is available in this mode.
This function is activated at pause state using **GREEN(◀◀)** / **YELLOW(▶▶)**. and make the sequence played step by step.

❶ Select a program with CH▲ or CH▼, and press ↵ to play in HD-Program Guide menu.

❷ Press **INFO** or ↵ to turn off HD-Information Bar.

❸ Press **BLUE(▶II)**, **GREEN(◀◀)** or **YELLOW(▶▶)** to start controlling trick play without any OSD.

❹ You can control trick play while yellow icons are displayed.

❺ Besides, you can control step by step play with **GREEN(◀◀)** / **YELLOW(▶▶)** while pause state.

∗ Note : You can not control jump play without HD-Information Bar.

8.8 Direct recording & Pause

Hot-Key for direct recording and pause function.
You can immediately record the current channel.
And replay the picture as you want.

❶ Press white key.

❷ Current channel recording starts with pause the picture.(Time-shift fuction starting)

Screen

❸ If you press blue key the picture will replay.

* ***Note : Refer to 8.2.2 Trick Play Controls &8.7 Trick Play Controls without OSD in this manual.***

Trouble Shooting 9

There may be various reasons for the abnormal operation of the unit. Therefore, if the unit does not work properly, check it according to the procedures shown in the table below :

Problem	Possible causes	Remedy
LED on front panel does not light.	AC Power is disconnected.	Check the main power cable is plugged into a power outlet. Check the main power switch in the rear panel.
No Picture	Wrong connection from the STB video output to the TV input terminal. Wrong setting of the TV input mode. Wrong setting of the STB video output mode.	Check the video cable(RCA, SCART) Check the video input mode of the TV. If your STB is set to the AUX2 mode, you can't see video. Press AUX IN key once or more.(See page64)
No sound	Wrong connection from the STB audio output to the TV input terminal. Volume level of the TV and STB is low.	If you are using RCA cable, check the audio input/output terminal. Check the volume level of the TV and STB. Check the mute function of the TV and STB.
On screen displayed 'Bad or no signal'	Wrong connection of the antenna cable. Signal level is low.	Connect antenna cable correctly. Check the tuner state of STB. If signal level is weak, adjust the aerial antenna.
Black and white screen or V-Hold.	TV or STB mode is different from the broadcasting mode. The STB A/V output mode is different from the TV.	Check the broadcasting video format in your TV and STB.(NTSC/PAL) Set to the same mode.(CVBS, RCB, Y/C)
The remote control unit is not working.	Battery exhausted. Remote controller is incorrectly aimed.	Change the batteries. Aim the remote control at the receiver.

Specifications 10

System capabilities	Fully DVB-T compliant	
Tuner	Connector	IEC 169-2, female/male
	Frequency range	Input :170MHz ~ 860MHz
		Loop through out : 50MHz ~ 860MHz
	Channel bandwidth	7MHz
	Modulation	COFDM
	Constellation	QPSK, 16QAM, 64QAM
	Tx mode	2K, 8K, Auto
	Guard interval	1/4, 1/8, 1/16, 1/32, Auto
	Spectral inversion	Auto conversion
RF modulator	Connector	IEC 169-2, female/male
PAL G/I/K and NTSC	Frequency range	470 ~ 860MHz
TV type	output channel number	UHF 21 ~ 69
System resource	Processor	32bit Processor
	SDRAM	8M byte
	FLASH	2M byte
	EEPROM	2K byte
Video decoder	MPEG 2	Main Proflie @ Main Level
	Data rate	Up to 15M bit/s
	Resolution	720 X 576, 720 X 480
	Video format	NTSC, PAL
	Aspect Ratio	4:3, 16:9
MPEG audio	MPEG 1 layer 1 & 2	
	Type	Mono, Dual mono, Stereo, Joint Stereo
	Sampling rates	32, 44.1 and 48KHz
Serial data interface	Connector	9pin D-sub male, Max 115K bps

Remote control	Code	NEC-IR
	Operating condition	up to 7 Meter
Power supply	Power consumption	Max 30W
	Supply voltage	98V ~ 240V
	Supply frequency	47Hz ~ 63Hz
Rear Panel connector	Video out	1 X RCA cinch
	Audio out	2 X RCA cinch
	Digital audio out	1 X RCA cinch
		1 X optical port
	S-Video	S-Video jack
	Serial data	9pin D-sub connector
	Digital tuner input	IEC 169-2 female
	Loop throughout tuner	IEC 169-2 male
	TV SCART	CVBS, Y/C, RGB, audio
	VCR SCART	CVBS, Y/C, RGB(in), audio
	RF input	IEC 169-2 female
	RF output	IEC 169-2 male
Physical Specification	Size (W X H X D)	335 X 58.5 X 268(mm)
	Weight (Net)	3.0Kg

■ DATA TRANSFER ■

is best carried out by an
authorized service person.
please contact your
appointed dealer for more
information regarding
this feature.

SRT 5390

Connection & Recording Supplement

Connections

For connection of the SRT 5390 there are number of alternatives depending what is your preference and the connection types on your TV.

Please connect by either of the following methods
A. B. C. (D. is mandatory for antenna connection)

Refer to *Page 8* of the *Instruction Manual* for the *Connector Reference* Numbers listed below.

A. SCART Connection for: RGB or S-Video or CVBS

If your TV includes a 21 Pin Scart Connector, you may choose to connect in this way and select your choice of RGB, S-Video (Y/C) or CVBS (Composite). (You will need to Purchase Scart Lead separately)

Through the Scart, the Factory Default setting in the Menu is listed as RGB.

If you decide to operate as CVBS (Composite), you do not need to change to CVBS mode in the A/V mode (as explained below), as the unit will automatically default to CVBS mode.

However, if you choose to have S-Video (Y/C) from the *Scart*, once unit is POWERED (Refer *Power On* below), please go into the Main Menu of the SRT 5390 and select *System Parameters*, then Scroll down to AV Mode and via the remote control left and right centre buttons select the preferred AV Mode.

(Connector 4)

TV SCART

SCART 21 pin Scart output to TV:
3 video signals to choose from:
RGB
S-Video (Y/C)
CVBS (composite)
Also, by using Scart Output, *Audio MPEG-2 is included*

If you require Dolby Digital Audio Output (through your Dolby Digital Decoder Am0plifer, please refer to Note *DOLBY DIGITAL AUDIO*.

B. Separate S-Video (Y/C) Connector

If your TV includes a 4 Pin Mini Din S-Video connector, *you may choose to connect in this way.* Although S-Video is available through the Scart, there is an additional S-Video connector (connector 2) on the rear panel and unit can be connected to the TV this way.

(You will need to purchase S-Video Lead separately)

If you choose to connect in this way, once unit is POWERED (Refer *Power On* below), go into the SRT 5390 *Menu button 10* and select *System Parameters* and select S-Video in the *AV Mode*.

Important: Using this separate S-Video (Y/C) for your Video connection, you will need to make connections for *Audio.*

For Audio this can be done by using the *supplied RCA cable* by connecting to Connector *9* for Left Audio (RCA White) and Connector *10* for Right Audio (RCA Red), and then connect to appropriate RCA audio connectors of your TV.

These Left (white) & Right (Red) RCA Audio connections will provide MPEGA-2 Stereo.

If you require Dolby Digital Audio Output (through you're Dolby Digital Decoder Amplifier) please refer to Note: *DOLBY DIGITAL AUDIO* below)

Connector 2 S-VIDEO (Y/C) S-video jack S-video output

Connections

C. CVBS (Composite) via the supplied RCA Lead

You can connect to your TV with the supplied RCA cable to give you Video and Audio. This will give you CVBS (Composite Video & MPEG-2 Stereo for Audio)

Connector 8 VIDEO RCA cinch Composite video output *Connector 9* AUDIO Left (White) RCA cinch Left audio output *Connector 10* AUDIO Right (Red) RCA cinch Right audio output

D. Connecting the Antenna

Connect TV Antenna to *Connector 11* (TV ant) on the SRT 5390

Connector 11 TVANT IN IEC 169-2 female Terrestrial stream input from antenna to SRT 5390

Having made the above connections to suit your requirements: The next step is to make certain you have *selected a Video Mode on your Television from your TV Remote Control*

Power On

Turn the SRT 5390 ON. There is an *ON/OFF* Switch on the rear panel of the Receiver. (Located beside the main power cord from the receiver)

Now Push the On/OFF Power button on the Remote Control (*Red Button*)

When Power is ON, you will view a Strong Image Banner on the TV Screen and your Receiver is *now ready to be scanned* to lock in all of the Broadcast Frequencies in your area.

Automatic Scan Process

Press the *Menu button (10)* on the remote control and a *Main Menu Banner* will appear listing 3 topics.

Select *INSTALLATION* and push the *ENTER Button 16* (button in the middle of the Remote control) and a secondary Banner will appear prompting you to enter a 4 digit password. *Enter the Default Password 0 0 0 0.*

A Banner will appear with 5 topics. Select *Automatic Scan* by using the Middle scroll up/down buttons of the Remote Control.

With *Automatic Scan* selected, push *ENTER* Button.

Unit will now begin to scan and lock in all available frequencies in your area. This will take a few minutes.

Once Scan has been completed, a Banner will appear which will state:

NETWORK SCAN IS DONE and It will prompt you to push the *ENTER* button (*10*).

Once *ENTER* button has been pushed, you will need to *push ENTER button again* on the Remote Control, and Data will be saved, and normal TV broadcast channel will now displayed.

Time Setting - Automatic

There is a manual procedure to set up the Time in your unit.

However, as the Time is taken from the “Time Print” in each broadcaster’s signal, once you have scanned the frequencies into your unit, time will be automatically generated, thus avoiding the necessity to manually input the time. It is important to ensure Time is in correct Mode. I.e. Daylight Saving YES / NO.

Time Setting - Manual

Push *MENU* Button

Select *System Parameters* and press *ENTER*

Scroll down to *Local Time/Timer* by using button *13*

Using right Scroll button 15, Adjust by inputting date and time via the numeric buttons on the remote control.

Scroll down to *DL Saving* and select correct mode: *YES / NO*.

Push *EXIT* to return to normal viewing.

The Correct A/V Mode

Assure the correct A/V Mode has been selected in the *Menu* by Pushing Menu Button on the remote Control; Main Menu Banner will appear; Select *System Parameters* and then scroll down to A/V Mode *and select the preferred AV mode*: i.e. RGB or S-Video (Y/C) or CVBS (Composite)

Once preferred A/V mode has been selected, Push *EXIT* button *11* on the remote control to return to normal viewing broadcast.

Dolby Digital Audio

If you have a Dolby Digital Decoder Amplifier, you can connect to the amplifier by *Optical Cable or Coaxial Cable* (purchased separately). These connections will provide for Dolby Digital Output when broadcast.

Connector *1* is the Optical audio output.
Connector *3* is the Digital audio output.

To 'Enable' Dolby digital to be heard when transmitted within the broadcast stream, you will need to select Dolby Digital in the System Parameters.

Push the *Audio* Button *5*.

Scroll down via button 13 and select *Dig. Output*

IMPORTANT: If broadcaster is not transmitting in Dolby digital at that time, you will not be able to select topic of DIG. Output

All of the above connection/s and procedure completes the Connections Installation, however, there are other connections that can be made (Not Essential), explained as below.

Connectors

Connector 12 RF Loop Out

For Aerial Signal Pass through to your TV and/or VCR Channels 21 to 69

This is the *signal coming from your antenna* and passing through the SRT 5390

This can be used for a variety of purposes as per items *A* and *B* as follows.

A. With a separately purchased RF Lead, you can connect from this connector to your TV antenna IN.

This enables you to switch back to normal *analogue* viewing. I.e. you would switch back to normal TV analogue mode by pressing the *TV Mode button* on *your TV Remote Control.*

B. You can choose to connect RF from this connector to your VCR (separately purchased Lead) which will enable you to watch a normal Digital Broadcast Channel through the SRT 5300 / SRT 5390 and at the same time you can record a different broadcast channel into the VCR.

Therefore, as you are watching your digital channel through the SRT 5300 / SRT 5390, you would select a channel via *your VCR Remote Control* and press Record Button on your VCR.

E.g. you may be watching the Digital transmission of CH7 through the SRT 5300 / SRT 5390 as normal and recording CH9 RF analogue through your attached VCR.

Connector 7 RF Out to enable tuning of the UHF Signal

(Normally used when no Audio Video connections are available on your TV)

With a separately purchased RF Lead, you can connect from this connector to your VCR or TV.

When connecting to a VCR, you then Tune the VCR *to Default Channel 38.*

This means that you are able to record into the VCR; the same channel you are viewing through the SRT 5390. This would be RF analogue.

Connectors

Connector 6 RF Loop In

This can be used for a variety of purposes as per items *A* and *B* as follows.

A. For viewing on a second TV
(Using supplied RF Loop Lead)

With the SRT 5390 is a supplied RF Loop Lead.

When used, this is connected to Connector *6* (RF Loop In) and Connector *12* (RF Loop Out).

There may be circumstances where you want to *connect a Second TV* (e.g. in another room) to the SRT 5390, and thus receive the same digital programs as viewed through the first 'priority' TV.

Firstly, you would connect a seperatly purchased RF Lead from Connector 7 (RF out) to your second TV and *Tune this second TV to default Channel 38*

In this situation, the Second TV would receive *the same channels as broadcast through the first TV.*

The second TV would be a 'Slave' to the first TV and the second TV would not be able to change to other Channels (i.e. analogue channels), if preferred by the user.

However, by connecting the *supplied RF Loop Lead* from connector *6* to Connector *12*, the second TV then has the 'additional' capability of changing channels if required by the user. I.e. they can change to normal analogue channels.

B. Where Video Inputs are Required on Your TV

There may be circumstances where you do not have enough *Video Inputs* on your TV to enable the SRT 5300 / SRT 5390 to be connected. In this circumstance, action in the following way:

Connect a separately purchased RF Lead from Connector *7* (RF out) to your second TV and *Tune this second TV to default Channel 38.*

Now connect the supplied RF Loop Lead from connector 6 to Connector 12.

VCR AUX Scart (CVBS Composite) for Video In & Out

On the rear panel there is a Second Scart called *VCR AUX*

(Requires separately purchased Scart Lead for connection to VCR or DVD)

Essentially, there are *3* alternatives for using this connection and would mainly be used where there are not enough Video Connections on your TV. Refer to the following alternatives *A. B. C.*

A. As a Switching device for other attached Video devices e.g. DVD Player/VCR

Because this connector is also *Video IN*, this enables you to *switch* to the *Video IN source* of your attached *VCR* or *DVD*; in those cases where you may want to watch your DVD Disk or VCR tape program

I.e. You can *switch* from watching your digital channel broadcasts in STB mode to AUX mode for attached video sources

To switch from normal viewing STB mode,
Push AUXIN button on the remote control, and select AUX position for attached VCR/DVD viewing.
To return to normal digital STB mode, push *AUXIN* and select STB.

B. To enable to RECORD to your attached video devices: DVD Player / VCR

Because this VCRAUX Scart connector is also *Video Out*, you can *Record* the broadcast signal of the SRT 5390 into your attached VCR/DVD.
Push Record on your VCR / DVD Remote Control.

C. Connection for SRT 5390 where no Video Inputs available on your TV

If your TV does not have enough available connections of Video Inputs, you can receive the STB digital Channel signal and pass this through to your TV by using this AuxIn Scart connection from the SRT 5390 to your TV (This would be CVBS [Composite] Video Signal).

Overview

Selecting and Changing Channels

There are 2 methods to select and change channels

A. Press the desired Number Button on the remote control.

Please note:
1 = CH10
2 = Ch 2 ABC
3 = SBS
7 = Ch 7
9 = Ch 9

B. Select and change channels by using the Up/Down channel buttons

Button 12 CH, for Up
Button 13 CH, for Down

Volume Control

To adjust Volume up and down, press the following buttons on the remote control:

Volume Increase: VOL Button *15*
Volume Decrease: VOL Button *14*

Important: The Volume level is dependant on the volume level that you firstly set within your TV I.e. via your TV remote control volume setting.

Volume Mute

Press Button *2* to mute sound. Volume Bar in the banner will be RED.
Press Button *2* again to reactivate sound.

Checking your Aerial Signal: Level & Quality

To assure that you can receive *adequate picture quality for digital transmissions*, it is important to check that you have enough *Signal Level* and *Quality Level* (signal to noise ratio) through your antenna system.

Level: ideal is 70%, minimum is 50%
Quality: ideal is 100%, minimum is 80%

Press MENU button *10*

Select *INSTALLATION* and press *ENTER* button
Input 4 digit password - 0000

Select *TUNER STATE* and press *ENTER* button

Banner will show the *Level* and *Quality* Bar Graphs and Channel number.

To change to each channel number to check the %, press Channel Up / Down buttons *12/13*.

IMPORTANT: On the opened banner you will note a channel number.

Examples:
Channel (MUX) number 6 on the banner. However, you will note the broadcast station is actually Channel 7 and also indicated on the front display.

Channel (MUX) number 8 on the banner. However, you will note the broadcast station is actually Channel 9 and also indicated on the front display.

Setting Aspect Ratio

There are 2 methods to *Set* and *Switch between* your preferred Aspect Ratio:
I.e. 4:3 Letterbox / 4:3 Full Screen / 16:9 Full Screen.

A. Menu Setting

Press *MENU* button *10*

Select *System Parameters* and press *Enter* button

Select Aspect Ratio preferred i.e. 4x3 or 16 x9 or Auto

If you select *Auto*, when viewing a broadcast program, aspect ratio will change according to the aspect ratio being transmitted by the broadcaster at that time.

After selecting your preference, push *EXIT* twice to return to normal viewing.

B. Hot Key for Aspect Ratio change

Whilst viewing a broadcast program, you can change the aspect ratio to your preference by pushing *RATIO* Button *20.*

As you make your selection by this button, you will see the aspect ratio type indicated on the TV screen banner.
I.e. 4x3 Full Screen / 4x3 Letterbox / 16x9 Full Screen.

Captions ON/OFF

IMPORTANT: Is dependant on when transmitted by broadcast stream

To view Captions, Press *CAPTIONS* Button *19*

Banner will state *Captions ON*

Push button to turn *Captions OFF*. Banner will state *Captions OFF.*

Teletext

To view teletext, select a Channel 7 broadcast station
Press *BLUE* Button *21*

To select your preferred Teletext topics, enter the topic number via the channel numbers on the remote control.

To turn Teletext *OFF* and return to normal viewing, push *EXIT* button

Parental Control

Enables setting of *AGE LIMIT* as a protection for Children's viewing.

There are 8 categories that can be selected.
No Block / Block All / Block G & Above / Block PG & Above/ Block M & Above /
Block MA & Above / Block AV & Above / Block R & Above

Press *MENU* button, select *System Parameters* and press *ENTER* button

Select *Parental Control* and press *ENTER* button
Input 4 digit password 0000

Select *AGE LIMIT* and select preferred age boundary by pressing scroll button *15*

Push *EXIT* button 3 times to return to normal viewing

Note: Age Limit restriction is operational only when the signal being broadcast, carries age limit information.

Lock Channel Editing & Lock Installation

Factory default for these 2 modes is set to *YES*

This ensures your Password must be entered when accessing the Installation & Channel Editing modes; as a form of security.

If you prefer to have open access to these modes, without the requirement of inputting a password each time, you can set to *NO* in the Menu.

. Press *MENU* button
. Select *System Parameters* & push *ENTER* button
. Select *Parental Control* and push *ENTER* button
. Input 4 digit Password
. Using scroll down button 13, Scroll to *Lock Channel Editing* and using Scroll button *15*, change to *NO*.
. Repeat for *Lock Installation*
. Push *EXIT* button 3 times to return to normal viewing

New Password

Although the default 4 digit password is 0000, you can set your own password if preferred.

- Press *MENU* button and select *System Parameters.* Press ENTER button
- Select *Parental Control* and Press *Enter* button
- Input 4 digit password 0000
- Scroll down via button *15* and select *New Password*
- Choose your new 4 digit password number and input by your selection of number buttons on the remote control.
- Once you have input your new password, *Verify Password* will be automatically highlighted, re-enter your password
- *Password Change* banner will appear as verification
- Push *EXIT* button 3 times to return to normal viewing

Recording Information

There are 4 methods of Recording:

Manual Record – Continuous
Manual Record – Time Length Input
Delayed Recording
Time Shift Recording

Manual Record – Continuous

- Push the RED Record Button ONCE and Recording will commence and continue until you decide to stop the recording.
- As the program is being recorded, you will see a file number indication on the display e.g HD001, HD002, HD 003 etc.
  Also, a red flashing indicator will be viewed in the display.
- To Stop the Recording, push the *ORANGE 'List'* Button
- *HD Program Guide Banner* will be viewed with the current recording highlighted with program name and *REC* as an indication the program is still recording.
- With this HD Program Banner in view, there are 2 methods that can be selected to
  Stop the recording:
  Push the *ORANGE 'List'* button or the *EXIT* button.
- Banner will now be viewed *'Do you want to Stop Recording?'*
- Push *ENTER* button for *YES* or *EXIT* button for *NO*
- When you select *YES* to stop recording, HD Program Guide Banner will now list the Program name and file length.
- Now push the *ORANGE 'List'* button or the *EXIT* button to go to normal TV Broadcast mode.

Manual Record – Time Length Input

- Push the *RED* Record Button TWICE and *REC* Banner will be viewed with the following information

Name -	The Channel
Information -	Program Title
Start -	Start Time of Recording
Stop -	Stop Time

- In this mode you can input your selected *Stop Time* by scrolling down to the *Stop* bar and via L & R Scroll Keys input your *Stop Time* via the numeric keys.
- Press *ENTER* to confirm your input and Recording will now commence.

  As the program is being recorded, you will see a file number indication on the display
  e.g. HD001, HD002, HD 003 etc.
  Also, a red flashing indicator will be viewed in the display.
- Once the allotted Record Time is reached, *HD Program Guide* Banner will be viewed with the current recording highlighted with program name and file length.
- Push the *ORANGE 'List'* button or the *EXIT* button to go to normal TV Broadcast mode.

Recording Information

Delayed Recording

There are *14 Timer Entries available.*

- Push the *GREY Timer Record* button (Bottom Right)
- *Timer* banner will be viewed listing the available *14* entries
- With Time slot entry highlighted, push the *ENTER* button
- Using the L & R scroll buttons, select *TV* or *Radio* mode in the *CH Type bar*.
  (TV mode is the default setting)
- Using the Up & Down scroll buttons, select the *Ch Number* bar and select your Channel number via the L & R scroll buttons: *Ch Nam*e will also be viewed on the*CH. Name Bar*
- Scroll down to *Start Time* bar and input the Start Time via the numeric buttons
- Scroll Down to *Stop Time* bar and input the Stop Time via the numeric buttons.
- Scroll down to Status bar and via the L & R scroll buttons; select your preference of *Once, Daily,* or *Weekly.*
- Scroll down to *HD Record* bar and select *ON* via the L & R scroll buttons.
  (Will be listed as ON as a default setting)
- Press *EXIT* Button (*4 times*) to return to normal TV broadcasts.
- Once the Start Time has been reached, recording will commence and you will see a file number indication on the display
  e.g HD001, HD002, HD 003 etc.
  Also, a red flashing indicator will be viewed in the display.
- Once recording has been completed, *HD Program Guide* banner will be viewed listing the file name and length. This banner will remain in view for 90 seconds and unit will then revert to standby mode.

Recording Information

Time Shift Recording

- Push the *WHITE* Time Shift Pause Button and Broadcast view will be 'Paused' and Recording will be actioned.

- As the program is being recorded, you will see a file number indication on the display
  e.g. HD001, HD002, HD 003 etc.
  Also, a red flashing indicator will be viewed in the display.

- At any time during this Time Shift 'Pause' recording, you can choose to push the *ENTER* button and a banner will indicate the *Channel Number, Program Name & Elapsed Record Time.*

- In this Time Shift mode, Broadcast view will remain 'Paused' until you decide to 'release' the Time Shift to begin Play.

- To begin *Play*, push the *BLUE* Button.

- Your recorded File will now begin to Play from the original Pause Position. For example, if you release the Time Shift and begin Play after one hour, you are effectively watching the broadcast one hour behind Real Time.

- As Play continues in this Time Shift mode, the 'Real Time' Broadcast is still being recorded.

- In this Play mode, you can choose to action *FF* (Fast Forward) *YELLOW* Button or *REW* (Rewind) *GREEN* Button at any time to move forward within the Time Shift Play mode.

- When actioning either *FF* or *REW*, to commence *Play* again, push the *BLUE* Play button.

- As Time Shift is still operating, you can choose at any time to 'Pause' the 'Playback' by pausing the *BLUE* button. To 'release' and begin Play again, push the *BLUE* button again.

- To stop the Time Shift recording mode, push the *ORANGE* 'List' Button

- *HD Program Guide* Banner will be viewed with the current recording highlighted with program name and *REC* as an indication the program is still recording.

- With this HD Program Banner in view, there are 2 methods that can be selected to stop the recording:

- Push the *ORANGE* 'List' button or the *EXIT* button.

- Banner will now be viewed *'Do you want to Stop Recording?'*

- Push *ENTER* button for *YES* or *EXIT* button for *NO.*

- When you select *YES* to stop recording, *HD Program Guide* Banner will now list the program name and file length.

- Now push the *ORANGE* 'List' button or the *EXIT* button to go to normal TV Broadcast mode.

Controlling Recorded Files

Playing Back Files

In each of the 4 Recording Modes, your completed recorded files will be held within the Hard Drive File List.

- To view and playback your recorded Files, push the *ORANGE* 'List' button.
- *HD Program Guide* banner will be viewed.
- Scroll to your selected recorded file.
- Push *ENTER* button to begin playing the file
- Once your recorded file has completed its full length play, Play will stop and *HD Program Guide* banner will be viewed.
- Push *EXIT* button or *ORANGE* List button to return to normal TV broadcast.

Deleting Files

- Push the ORANGE List button
- *HD Program Guide* banner will be viewed.
- Scroll to your selected recorded file.
- Push the *RED* record button to commence deletion action
- Banner will be viewed:
  Do You Want To Delete This. Yes / No
- To delete, select *YES* and push the *ENTER* button.
- File will now be deleted from your hard drive and *HD Program Guide Banner* will be viewed with the file removed from the list.
- Push EXIT button or ORANGE list button to return to normal TV Broadcast.

IMPORTANT: Your Recorded Files cannot be deleted at those times where you have actioned a new Recording – in progress.

Fast Forward & Fast Rewind

Whilst playing back a recorded file, including when in Time Shift mode, you can action FF & REW to move forward or back within the recorded file.

FF YELLOW Button *REW GREEN* Button

There are 3 x FF & REW Speeds

Press Once	››	= x 10 time faster than normal
Press Twice	›››	= x 30 times faster than normal
Press Three times	››››	= x100 times faster than normal

Controlling Recorded Files

File Search Function using Progressive Bar

This feature enables selection of a given point to commence 'Playback' from that 'selected' file position.

There are *3 Modes* where you can operate this function.

A. From Your RECORDED FILE LIST

1. Go to your Recorded File List to select a previously recorded file.

2. Once File is selected Press *ENTER* for full screen normal play of this file.

3. Push the *PAUSE* (Blue) Button

4. With the File now In PAUSE mode, push the *Enter* Button

White Progress Banner Bar will be viewed at the top of the banner and Total Length (Time) of this recorded File will also be noted on the right, as well as the Current 'Time' position of the File, on the left.

5. Press the *FF* (Yellow) & *REW* (Green) buttons to select any point along the file length.

One instant PUSH = 10 seconds; Or by *Continual* Press, Progressive Bar will move along the File and you can select your desired point of the File. As the Progressive Bar moves along, you will note the given 'time' position.

6. Once you have selected your preferred 'Time' position in the File, push *ENTER* button and File will begin playing from that selected point.

7. To remove Progressive Banner Bar from view, Push *ENTER* Button
the File length.

B. In TIME SHIFT Mode

1. Press the *WHITE* Button to action Time Shift and picture will pause at that point

2. Push the *ENTER* Button.

White Progressive Banner bar will be viewed at the top of the banner and Total Length (Time) of this recorded file will be 'progressively' noted on the right as well as the Current' Time' position of the file, on the left.

3. Press the *FF* (Yellow) & *REW* (Green) buttons to select any point along the File length.

One instant PUSH = 10 seconds; Or by *Continua*l Press, Progressive Bar will move along the File and you can select your desired point of the file. As the Progressive Bar moves along, you will note the given 'time' position.

4. Once you have selected your preferred 'Time' position in the File, push *ENTER* button and File will begin playing from that selected point.
Time Shift will still continue to record to your file.

5. To remove Progressive Banner Bar from view, push *ENTER* button

C. When Actioning MANUAL RECORD

1. Press the *RED* record button to action Manual Record

2. Push the *PAUSE* (Blue) Button

3. Push the ENTER Button.

White Progressive Banner Bar will be viewed at the top of the banner and Total Length (Time) of this recorded file will be 'progressively' noted on the right as well as the Current' Time' position of the file, on the left.

4. Press the *FF* (Yellow) & *REW* (Green) buttons to select any point along the File length.

One instant PUSH = 10 seconds; Or by Continual Press, Progressive Bar will move along the File and you can select your desired point of the file. As the Progressive Bar moves along, you will note the given 'time' position.

5. Once you have selected your preferred 'Time' position in the File, push *ENTER* button and File will begin playing from that selected point. Manual Record will still continue to record to your File.

6. To remove Progressive Banner Bar from view, push *ENTER* button.

Controlling Recorded Files

Play back of a previously recorded file, whilst recording.

This a method that enables you to play back a previously recorded File and *at the same time* be recording a new program file.

Can be actioned on all recording modes i.e. Manual Recording – Continuous, Manual Recording – Time length Input, Delayed Recording and Time Shift Recording.

Once you're new Recording has commenced:

• Push the *ORANGE* 'List' Button

• *HD Program Guide* banner will be viewed.

• Scroll to your selected recorded file.

• Push *ENTER* button to begin playing the file

As you are viewing your previously recorded file your new file program is continuing to record.

File Name Editing – Rename Your Files

There are 2 modes where you can input your own selected file name.

A. In the Manual Record – Time length Input Mode:
This is actioned when you are setting up the recording details for a new Recording. (13 Characters available)

B. Renaming your file from your Recorded Files with in the HD Program Guide Banner
This is actioned with your previously recorded files within the file list. (17 Characters available)

Controlling Recorded Files

A. Renaming your File in the Manual Record – Time Length Input mode

In the *Manual Record – Time Length Input* mode, you can choose to change the file *program name* in the *Information Heading.*

Push the *RED* Record Button TWICE and *REC* Banner will be viewed with the following information.

Name - The Channel
Information - Program Title
Start - Start Time of Recording
Stop - Stop Time

- Scroll to Information

- Via the Numeric and Letter buttons of the remote control and right scroll button, input your preferred title of maximum13 characters.

. Input your selected *Stop Time* by scrolling down to the *Stop* bar and via L & R Scroll Keys input your *Stop Time* via the numeric keys.

- Press *ENTER* to confirm your input and Recording will now commence.

As the program is being recorded, you will see a file number indication on the display e.g. HD001, HD002, HD 003 etc.

Also, a red flashing indicator will be viewed in the display.

- Once the allotted Record Time is reached, *HD Program Guide* Banner will be viewed with the current recording highlighted with your selected program name and file length.

- Push the *ORANGE 'List'* button or the *EXIT* button to go to normal TV Broadcast mode in the *HD Program Guide Banner*.

B. Renaming your file from your Recorded Files within the HD Program Guide Banner.

- Push the *ORANGE* 'List' Button

- *HD Program Guide* banner will be viewed.

- Scroll to your selected recorded file

- Via the Numeric and Letter buttons of the remote control and right scroll button, input your preferred title of maximum17 characters.

Controlling Recorded Files

Skip Points

Within a Recorded Program File, you can select up to *10 Skip Points* sections (Per File), being sections of your recorded program that you do not want to view when *playing back* the file.

Skip Points enables selecting the *Start Point* and *Finish Point* of sections, with your preferred section length.

Example: Your previously recorded file is one hour length and you wish to 'Skip' the section from the 15 minute mark to the 18 minute mark.

Once you have input the start and end skip points, when you play back the file, this 3 minute section will be eliminated from view. (You can determine the section length)

The section is still within the file but it is now seamlessly skipped over.

Important: These Skip Points can be manually cleared which re-inserts the original section.

- Push the *ORANGE* 'List' Button
- *HD Program Guide* banner will be viewed.
- Scroll to your selected recorded file
- Push *ENTER* button to begin playing the file
- Push ENTER button again banner will be viewed with white time length bar and the total file Length indicated on the right and the current time position within the file indicted on the left.
- You can continue viewing the file until you reach your required Skip (start) Point or action by FF & REW buttons.
- Once you have selected your start Skip Point position, push the *RED record* button and a Red Skip Point icon will be placed and viewed at that position
- Select your end Skip Point position by continuing view of the file (or FF & REW).

. Once end Skip Point position has been selected, push *RED record* button and a yellow icon will be viewed at that position. Your start Skip point will also now change to a yellow icon.

This completes the input of Skip Point sections and you can then choose to rewind to the start of the recorded file to view the recorded file in its entirety, or push EXIT to return to normal TV broadcast.

Each time you playback your recorded file, your Skip Point sections will be eliminated from view and will be seamlessly skipped over.

Controlling Recorded Files

Deleting the Skip Points

You can delete your Skip Points from your files by actioning as follows:

- Push the *ORANGE* 'List' Button
- *HD Program Guide* banner will be viewed.
- Scroll to your selected recorded file
- Push *ENTER* button to begin playing the file.
- Push *MENU* button and *Lock / Clear Skip Points / Split Take* banner will be viewed with white time length bar and the total file length indicated on the right and the current time position within the file indicted on the left and the yellow icons of your Skip Points will be viewed.
- Scroll to and select *Clear Skip Points*
- Push the *ENTER* button and the Skip Points will be deleted.
- Push *EXIT* button to remove the view of the banner.

Controlling Recorded Files

Split Take

For previously recorded files, this enables you to *split your file into 2 sections.*

This creates 2 separate files on you Hard Drive.

You can determine the 'Split' position of the file.

e.g. One hour file: Split at 30 minutes (creating 2 x 30 minute file)
One hour file: Split at 20 minutes (creating first file of 20 minutes and second file of 40 minutes)

- Push the *ORANGE* 'List' Button
- *HD Program Guide* banner will be viewed.
- Scroll to your selected recorded file
- Push *ENTER* button to begin playing the file
- Push the MENU button and *Lock / Clear Skip Points / Spilt Take* banner will be viewed.
- Scroll to SPLIT TAKE and view the white time length bar with the total file length indicated on the right and the current time position within the file indicted on the left.
- Via FF YELLOW & REW GREEN buttons, selected your preferred point where you want the file to be split.
- Once you have selected your Split Take point, push the BLUE button Twice to Pause.
  (one push is normal play, 2 pushes to pause)
- Push ENTER button and Split this Program in Two banner will be viewed, YES or NO
- Push the ENTER button for YES
- *Now Splitting Program* banner will be viewed identifying the percentage of the file split.
- File will now split in 2 from the point chosen.
- *HD Program Guide* banner will be viewed listing the 2 files of the same Program Title.
- Push *EXIT* button to return to normal TV Broadcast

IMPORTANT: You can choose to rename your split files if desired, please refer to:
B. Renaming your file from your Recorded Files within the HD Program Guide Banner

Controlling Recorded Files

Recorded Files - Lock

You can choose to '*LOCK* your recorded program files so that a *Password* is required to enable playback of the file.

- Push the *ORANGE* 'List' Button
- *HD Program Guide* banner will be viewed.
- Scroll to your selected recorded file
- Push *ENTER* button to begin playing the file
- Push the *MENU* button and *Lock / Clear Skip Points / Spilt Take* banner will be viewed.
- *Lock* will be highlighted
- Push *ENTER* button to select *YES*
- Push *EXIT* button to remove banner
- Within your file list (*ORANGE List* button), you will now view the *HD Program Guide* banner and your 'Lock' files will be indicated with a *Lock icon.*
- Push ENTER button and Password banner will be viewed.
- Input password via the numeric buttons on the remote control and the program file will begin to play. (Default Password is 0000).

Auto Playback Book Marking

When choosing to Stop viewing a recorded program from your file list, the next time you select the same file program to commence viewing again, the play-back will commence from the last viewed point of the recorded file.

IMPORTANT: At any time the SRT 5390 is switched to Standby mode, this setting will be cancelled.